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LIST

OF THE

SPECIMENS

OF

DIPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART IV.

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1849.

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonymes, and the description, if it appeared to have been before undescribed.

The Catalogue of Dipterous Insects has been prepared and the new species described, by Mr. FRANCIS WALKER, so well known for his attention to this order of Insects.

JOHN EDWARD GRAY.

British Museum,
December, 1849.

LIST OF DIPTERA.

PART IV.

Sub-order I.—PROBOSCIDEÆ.

Family XXIII. MUSCIDÆ.

PHASIA, *Latreille.*

Group I. *Meig. Dipt.* iv. *pl.* 39, *f.* 15.

PHASIA crassipennis, *Latr. Gen. Crust.* iv. 345. *Coq. Icon. pl.* 23, *f.* 11. *Meig. Dipt.* iv. 186, 1. *Desv. Essai. Myod.* 290, 1. *Macq. Hist. Nat. Dipt.* ii. 198, 1. *Duf. Ann. Soc. Ent. Fr. 2me série* vi. 427. P. analis, *Meig. Dipt.* iv. 187, 2. Syrphus crassipennis, *Fabr. Ent. Syst.* iv. 284, 23. Thereva crassipennis, *Fabr. Ent. Syst. Suppl.* 560, 3. *Syst. Antl.* 218, 3. *Panz. Faun. Germ.* 74, 15. Musca crassipennis, *Lam. Anim. sans Verteb.* iii. 363, 11. T. analis, *Fabr. Ent. Syst. Suppl.* 561, 5. *Syst. Antl.* 219, 7. *Panz. Faun. Germ.* 74, 17. Musca dimidiata, *Panz. Faun. Germ.* 60, 17.

a. England.
b. France.
c. Italy. Presented by Signor Passerini.

PHASIA helva, *Wied. Zool. Mag.* ii. 45. *Aust. Zweif.* ii. 262, 1. *Desv. Essai. Myod.* 291, 3.

a. Cape.

Group II. *Meig. Dipt.* iv. *pl.* 39, *f.* 13. Alophora, *Desvoidy.*

PHASIA hemiptera, *Latr. Gen. Crust.* iv. 345. *Meig. Dipt.* iv. 191, 8. *Zett. Dipt. Scand.* iii. 1246, 2. Syrphus subcoleoptratus, *Fabr. Sp. Ins.* ii. 423, 12. S. hemipterus, *Fabr. Ent. Syst.* iv. 284, 22. S. affinis, *Fabr. Ent. Syst.* iv. 284, 24. Thereva hemiptera, *Fabr. Ent. Syst. Suppl.* 560, 2. *Syst. Antl.* 218, 2. T. affinis, *Ent. Syst. Suppl.* 560, 4. *Syst. Antl.* 218, 4. *Panz. Faun. Germ.* 74, 16. Musca subcoleoptrata, *Gmel. Ed. Syst. Nat.* v. 2869, 335. *Lam. Anim. sans Verteb.* iii. 363, 10. Thereva subcoleoptrata, *Panz. Faun. Germ.* 74, 13, 14. *Schell. Gen. Mouch. pl.* 2, *f.* 2 *Schæff. Icon. pl.* 71, *f.* 6. Musca tristis, *Herbst. Gem. Nat.* viii. 110, *pl.* 64, 5. Alophora hemiptera, *Desv. Essai. Myod.* 295, 2. *Macq. Dipt. Nord.* 7.284, 1. *Hist. Nat. Dipt.* ii. 202, 2.

a. England.
b. France.

Group III. Hyalomyia, *Desvoidy.*

PHASIA violacea, *Meig. Dipt.* iv. 193, 10. Hyalomyia violacea, *Macq. Hist. Nat. Dipt.* ii. 203, 2.

a. France.

PHASIA obesa, *Latr. Gen. Crust.* iv. 345. *Meig. Dipt.* iv. 194, 13. Thereva obesa, *Fabr. Ent. Syst. Suppl.* 561, 6. *Syst. Antl.* 219, 6. Hyalomyia obesa, *Desv. Essai. Myod.* 299, 3. *Macq. Hist. Nat. Dipt.* ii. 203, 4.

a. France.

PHASIA muscaria, *Meig. Dipt.* iv. 196, 18. *Zett. Ins. Lapp.* 626, 1. *Dipt. Scand.* iii. 1248, 3. Thereva muscaria, *Fall. Rhizom.* 3, 2. Alophora muscaria, *Meig. Dipt.* vii. 384, 17. Phasia cinerea, *Meig. Dipt.* iv. 198, 22. Thereva cinerea, *Fabr. Syst. Antl.* 221, 13. Hyalomyia cinerea, *Macq. Hist. Nat. Dipt.* ii. 204, 8, *pl.* 15, *f.* 13. Alophora cinerea, *Meig. Dipt.* vii. 284, 19.

a. England.
b. France.

PHASIA pusilla, *Hoffmansegg, Meig. Dipt.* iv. 198, 23. *Zett. Dipt. Scand.* iii. 1251, 7. Hyalomyia pusilla, *Desv. Essai. Myod.* 300, 8. *Macq. Hist. Nat. Dipt.* ii. 204, 9. Alophora pusilla, *Meig. Dipt.* vii. 284, 20.

a. England.
b. France.

PHASIA semicinerea, *Meig. Dipt.* iv. 199, 24. Hyalomyia semicinerea, *Desv. Essai. Myod.* 301, 11. *Macq. Hist. Nat. Dipt.* ii. 204, 11.
a. England.

Group IV. *Meig. Dipt.* iv. *pl.* 39, *f.* 16. Elomyia, *Desvoidy.*

PHASIA ornata, *Meig. Dipt.* iv. 202, 31.
a. ———? From Mr. Children's collection.

PHASIA argentifrons, n. s. *Nigra, capite argenteo, antennis pedibusque nigris, alis nigro-fuscis margine postico subcinereis.*

Body black: head covered with white silvery pile: eyes dark red: peristoma tawny: feelers black: sides and underside of the abdomen fringed with pale tawny hairs: legs black, clothed with short black hairs; claws and foot-cushions dull pale tawny; tips of claws black: wings dark brown, slightly gray along the hind borders; wing-ribs, veins and poisers black. Length of the body 2 lines; of the wings 4 lines.

a. Interior of South Africa. Presented by the Earl of Derby.

GYMNOSOMA, *Meigen.*

Group I. *Meig. Dipt.* iv. 204, A.

GYMNOSOMA rotundata, *Fall. Rhizom.* 9, 1. *Meig. Dipt.* iv. 204, 1, *pl.* 39, *f.* 21. vii. 207. *Desv. Essai. Myod.* 236, 1. *Macq. Hist. Nat. Dipt.* ii. 189, 1, *pl.* 15, *f.* 5. *Zett. Ins. Lapp.* 628, 1. *Dipt. Scand.* iii. 1226, 1. Musca rotundata, *Linn. Syst. Nat.* ii. 991. *Faun. Suec.* 1838. *Gmel. Ed. Syst. Nat.* v. 2846, 76. *Fabr. Sp. Ins.* ii. 442, 33. *Ent. Syst.* iv. 325, 57. *Deg. Ins.* vi. 15, 8, *pl.* 1, *f.* 11. *Geoff. Ins.* ii. 509, 32. *Schæff. Icon. pl.* 54, *f.* 8, *pl.* 143, *f.* 3. *Panz. Faun. Germ.* 20, 19. *Rossi. Faun. Etrusc.* 466, 1502. *Schrank, Faun. Boic.* iii. 2441. *Don. Brit. Ins.* xii. 83, *pl.* 424, *f.* 1. *Stew, El.* ii. 259. *Turt.* iii. 605. *Lam. Anim. sans Verteb.* iii. 362, 7. Tachina rotundata, *Fabr. Syst. Antl.* 311, 12. Ocyptera rotundata, *Latr. Gen. Crust.* iv. 344. *Cons. Gén.* 444. M. cerinus, *Harr. Ex.* 36, *pl.* 9, *f.* 6.
a. England.
b. France.
c. South of France Presented by F. Walker, Esq.

GYMNOSOMA par, n. s., mas. et fem. *Fulva, abdominis* mari. *disco thoraceque nigris*, fem. *abdomine maculis nigris ornato, antennis fulvis, articulo 2° nigro, pedibus nigris, alis subcinereis, basi flavis.*

Body black: head tawny, adorned with a gold lustre in the male, with a silver lustre in the female, clothed behind and beneath with hoary hairs: eyes red: feelers tawny; second joint black, except at the base beneath; bristle tawny, black towards the tip: chest clothed with short black hairs; sides and breast hoary: abdomen tawny, thickly punctured, clothed with short black hairs, with a black disk in the male, along the back of the female with a row of large irregular black spots, which successively decrease in size from the base to the tip: legs black, clothed with black hairs; foot-cushions pitchy: wings slightly gray, yellow at the base; wing-ribs and veins tawny; veins pitchy towards the tips; scales yellowish white; poisers bright tawny. Length of the body 2½—2¾ lines; of the wings 4—4½ lines.

a. Nova Scotia. From Lieut. Redman's collection.
b. ——— ?

GYMNOSOMA occidua, n. s. *Nigra, pilis cinereis vestita, capite albo, abdomine subtus et segmentorum 1° et 2° marginibus posticis fulvis, sequentium marginibus posticis utrinque vittaque dorsali canis, antennis pedibusque nigris, alis subcinereis.*

Body black: head white, clothed behind with a few black hairs; a black stripe extends from the eyelets to the base of the feelers, and there is a tawny tinge on each side of it: eyes red: sucker black, clothed with black hairs: feelers deep black; third joint longer than the second, flat above, convex beneath, rounded at the tip; bristle longer than the third joint: chest clothed with short gray hairs: breast partly covered with hoary bloom: abdomen shining, thickly punctured, clothed with short black hairs: underside and hind borders of the first and second segments tawny; hind borders of the following segments hoary on each side of the back, which is also adorned with a hoary stripe: legs black, clothed with short black hairs: wings slightly gray; wing-ribs tawny; veins pitchy, tawny at the base; scales white, with yellow borders; poisers tawny. Length of the body 2¼ lines; of the wings 4 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group II. *Meig. Dipt.* iv. 206, *B.* Cistogaster, *Latreille.*

GYMNOSOMA aurantiaca? *Meig. Dipt.* iv. 207, 5. Cistogaster aurantiaca? *Macq. Hist. Nat. Dipt.* ii. 190, 3.
a. ——— ?

GYNMOSOMA globosa, *Meig. Dipt.* iv. 206, 3, *pl.* 39, *f.* 22. Syrphus globosus, *Fabr. Sp. Ins.* ii. 432, 56. *Ent. Syst.* iv. 304, 99. Tachina globosa, *Fabr. Syst. Antl.* 311, 13. Musca globosa, *Gmel. Ed. Syst. Nat.* v. 2875, 360. Gymnosoma dispar, *Fall. Rhizom.* 9, 2. Pallasia globosa, *Desv. Essai. Myod.* 239, 1. Cistogaster globosa, *Macq. Hist. Nat. Dipt.* ii. 190, 1. *Meig. Dipt.* vii. 207, 1, *pl.* 69, *f.* 25. *Zett. Dipt. Scand.* iii. 1228, 1. C. ovata, *Macq. Hist. Nat. Dipt.* ii. 190, 2.
a. ——— ?

OCYPTERA, *Latreille.*

OCYPTERA bicolor, *Oliv. Encyl.* 3. *Macq. Hist. Nat. Dipt.* ii. 185, 1. O. coccinea, *Meig. Dipt.* iv. 211, 1. *Loew, Ent. Zeit. Stett.* v. 231, 1. O. Pentatomæ, *Desv. Essai. Myod.* 229, 1.
a. ——— ? From Mr. Children's collection.
b. ——— ?

OCYPTERA brassicaria, *Fabr. Syst. Antl.* iv. 211. *Latr. Gen. Crust.* iv. 343. *Cons. Gén. Fall. Rhizom.* 5, 1. *Meig. Dipt.* iv. 211, 3, vii. 215, 2. *Curt. Brit. Ent.* 629, 1. *Desv. Essai. Myod.* 230, 4. *Macq. Hist. Nat. Dipt.* ii. 185, 2. *Loew, Ent. Zeit. Stett.* v. 234, 4, vi. 180. 1. *Zett. Dipt. Scand.* iii. 1220, 1. Musca brassicaria, *Fabr. Sp. Ins.* ii. 443, 36. *Ent. Syst.* iv. 327, 63. *Gmel. Ed. Syst. Nat.* v. 2847, 209. *Schell. Gen. Mouch, pl.* 3, *f.* 1, 2. *Schæff. Icon. pl.* 118, *f.* 4. *Lam. Anim. sans Verteb.* iii. 362, 6. M. cylindrica, *Deg. Ins.* vi. 16, 9, *pl.* 1, *f.* 12, 14. Syrphus segnis, *Panz. Faun. Germ.* 22.
a. England.
b. France.
c. Albania. From Mr. Walker's collection.

OCYPTERA intermedia, *Meig. Dipt.* iv. 212, 3. *Desv. Essai. Myod.* 231, 5. *Loew, Ent. Zeit. Stett.* v. 236, 5.
a. France.

OCYPTERA bimacula, n. s. *Nigra, capite flavo, abdomine rufo, basi apice maculisque duabus nigris, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head yellow, clothed beneath with hoary hairs; a black stripe between the eyelets and the feelers; sides of the face fringed with bristles at the base; epistoma hardly prominent: eyes pitchy, not hairy: palpi black: feelers black, as long as the face; third joint club-shaped, much longer than the second; bristle much longer than the third joint, stout near the base, very slender from thence to the tip: chest adorned in front with three hoary stripes: scutcheon and abdomen armed with a few black spines: abdomen red, longer than the chest; base and tip black; two black spots on the back, one of them connected with the black of the base: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming an almost right angle with the fourth longitudinal vein, joining the third longitudinal vein at some distance before the tip of the latter; lower cross-vein nearly straight; scales white, with yellow borders. Length of the body 4½ lines of the wings 6 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.

OCYPTERA Dotadas, n. s. *Nigra, capite albo micante, abdomine rufo, basi apiceque nigro, antennis pedibusque nigris, alis subcinereis, basi costa nervorumque marginibus fuscis.*

Body black, clothed with black hairs and bristles: head adorned in front with white reflections, reddish on each side of the peristoma: eyes red: mouth black, ferruginous at the base: feelers black; third joint full twice the length of the second, slightly convex above and beneath, shorter and less linear than that of the European species: abdomen red, linear, black at the base and at the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, brown at the base, on the fore borders and along the veins; wing-ribs, veins, and poisers black; scales white. Length of the body 3½ lines; of the wings 6½ lines.

a. Jamaica. Prom Mr. Gosse's collection.

OCYPTERA Epytus, n. s. *Nigra, capite albo-micante, abdomine rufo, basi apice vittaque interrupta nigris, segmentorum suturis albo micantibus, antennis pedibusque nigris, alis flavo-fuscis, apicibus marginibusque posticis pallidioribus.*

Body black, clothed with black hairs and bristles: head silvery white, clothed beneath with hoary hairs; peristoma yellow, with

ferruginous sides; sides of the face yellow: eyes red: mouth black, ferruginous at the base: feelers black; third joint like that of *O. Dotadas:* abdomen red, black at the base, whence an interrupted black stripe proceeds to the two last segments, which are black; sutures of the segments, especially on each side, adorned with white lustre: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings yellowish brown, paler at the tips and along the hind borders; wing-ribs, veins, and poisers black; scales white. Length of the body 4½ lines; of the wings 7 lines.

a. Georgia. From Mr. Abbot's collection.

Ocyptera Dosiades, n. s. *Nigra, capite albo micante, abdomine rufo, basi apice vittaque integra nigris, antennis pedibusque nigris, alis subcinereis, basi nervorumque marginibus subfuscis.*

Body black, clothed with black hairs and bristles: head tinged in front with silvery-white, clothed beneath with hoary hairs: eyes red: mouth black: feelers black, like those of *O. Dotadas:* abdomen red, black at the base, whence proceeds a narrow uninterrupted black stripe, which widens from the base to the tip of the third segment; the following segments black: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, tinged with pale brown at the base and along the borders of the veins; wing-ribs and veins black; scales white; poisers tawny. Length of the body 3½ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Ocyptera picta, n. s. *Aurea, thorace nigro univittato, abdomine ferrugineo, cano micante, lateribus ventreque nigris, pedibus ferrugineis, tarsis nigris, alis fuscis, basi costaque flavis, apicibus marginibusque posticis subcinereis.*

Body clothed with black hairs and bristles: head and chest gold colour: feelers black (?): a broad black stripe with two slender gold stripes along the middle of the chest: abdomen ferruginous, black on each side and beneath, adorned with hoary reflections, which are most conspicuous on the sutures of the segments: legs ferruginous, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings brown, grayish at the tips and along the hind borders, bright yellow at the base and for two-thirds of the length of the fore border; wing-ribs and veins ferruginous; veins tawny on the yellow part of the wing; scales pale yellow. Length of the body 5 lines; of the wings 9 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

MILTOGRAMMA Megerlei? *Meig. Dipt.* iv. 233, 14. *Cana, abdominis segmentorum marginibus posticis fulvis, antennis fulvis articulo 3° piceo, pedibus nigris, alis limpidis.*

Body hoary, clothed with black hairs and bristles: head tawny on the crown, yellow in front, gray beneath; epistoma not prominent; no bristles on the sides of the face: eyes red, not hairy; sucker black, clothed at the tip with tawny hairs; palpi tawny: feelers very short, tawny, not more than half the length of the face; third joint pitchy, very slightly convex above and beneath, rounded at the tip, full twice the length of the third joint; bristle very short, but longer than the third joint, its second joint about twice the length of the first; third joint stout, but tapering to the tip: abdomen obconical, not longer than the chest; hind borders of the segments tawny: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border above the tip of the wing; lower cross-vein straight for nearly half its length, slightly curved outward from thence to the tip; scales white, with buff borders. Length of the body 2½ lines; of the wings 4½ lines.

a. England.

TACHINA, *Fabricius.*

Div. A. Macromydæ, *Desv. Essai. Myod.* 32.

Group I.

Third joint of the feelers nearly twice the length of the second, very convex above, flat beneath, rounded at the tip; second joint of the bristle more than twice the length of the first.

TACHINA melanax, n. s. *Atra, spinosissima, capite albo, antennis pedibusque nigris, tarsis albis, alis nigris.*

Body deep black, clothed with black hairs and bristles: abdomen armed with very thick close-set black spines, which especially characterize this species: head white, clothed beneath with white hairs, beset above with black bristles; crown black; peristoma pale yellow; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy and clothed with a few short whitish hairs towards the tip; palpi black, spindle-shaped, long, not much shorter than the sucker, clothed with short black hairs: eyes pitchy, not hairy: feelers black, covered with whitish bloom; third joint nearly twice the length of the second, flat beneath, rounded at the

tip, extremely convex near the base above, whence it rises abruptly, but declines more gradually to the tip; its height is equal to full two-thirds of its length; the orifice is very distinct, and is seated near the underside below the greatest height of the third joint; bristle downy, tapering gradually from the base to the tip, less than twice the length of the third joint, its second joint long, more than twice the length of its first: scutcheon armed with black spines, which, like those of the abdomen, are shining and polished: legs black, clothed with hoary hairs, and beset with black spines; feet ivory-white, clothed with short white hairs; a small pitchy band at the tip of each foot; foot-cushions and claws white; tips of the claws black: wings deep black, with some dark gray streaks towards the base; wing-ribs, veins, and scales black; tip cross-vein forming an acute angle with the fourth longitudinal vein, which hardly projects beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein almost straight till near the tip, where it slightly curves outward. Length of the body 8 lines; of the wings 20 lines.

a. Venezuela. From Mr. Dyson's collection.

Group II. Dejeania, *Desv. Essai. Myod.* 33.

TACHINA bombylans, *Wied. Auss. Zweif.* ii. 286, 10. Stomoxys bombylans, *Fabr. Ent. Syst. Suppl. Syst. Antl.* 281, 6. *Coq. Ill. Icon. Ins.* 115, *pl.* 25, *f.* 16. Dejeania capensis, *Desv. Essai. Myod.* 34, 2. D. bombylans, *Macq. Dipt. Exot.* ii. 3, 34, 1, *pl.* 3, *f.* 2.

a. Cape. Presented by the Entomological Club.

b. South Africa. Presented by Dr. A. Smith.

Group III.

Third joint of the feelers very much longer than the second; convex above, slightly convex beneath, rounded at the tip; second joint of the bristle much longer than the first.

TACHINA alterna, n. s. *Nigra, capite abdomineque flavis, abdominis apice nigro fasciis vittaque ferrugineis, antennis pedibusque nigris, alis fuscis.*

Body black, clothed with black hairs and bristles: head pale yellow, blackish on the crown, clothed beneath with pale yellow

hairs, beset above with a few black hairs and bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy and clothed with short pale yellowish hairs at the tip; palpi short: feelers black, as long as the face; third joint very much longer than the second, convex above, slightly convex beneath, rounded at the tip, rising along the back till near the tip where is its deepest part; bristle pitchy, downy, gradually tapering from the base to the tip; second joint about twice the length of the first; third joint not near twice the length of the third feeler-joint: abdomen armed with black spines, especially towards the tip, yellow, and half transparent from the base to beyond the middle, adorned with a ferruginous stripe which extends to the tip: legs black, clothed with black hairs and bristles; claws and foot-cushions white; tips of claws black: wings and scales brown, wing-ribs and veins dark tawny, tip cross-vein forming a slightly acute angle with the fourth longitudinal vein which projects a little beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, one long and near the base, the other shorter and very near the tip. Length of the body 5—6 lines; of the wings 11—14 lines.

a. Venezuela. From Mr. Dyson's collection.

Group IV.

Third joint of the feelers a little longer than the second; slightly convex above, flat beneath, rounded at the tip; second joint of the bristle full twice the length of the first.

TACHINA melanopyga, *Wied. Auss. Zweif.* ii. 272, 19.
a. ———?

Group V.

Third joint of the feelers as long as the second, convex above, slightly convex or flat beneath, rounded at the tip; second joint of the bristle more than twice the length of the first.

TACHINA aurifera, n. s. *Fusco-fulva, capite flavo, scutello abdomineque ferrugineis, abdominis lateribus nigris, apice aureo maculato, antennis fulvis articulo 3° nigro, pedibus fulvis, tarsis flavis, alis cinereis.*

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with some black bristles; epistoma very promi-

nent; no bristles on the sides of the face; sucker black, pitchy and clothed with some short pale yellow hairs at the tip; palpi short: eyes pitchy: feelers tawny, as long as the face; third joint pitchy, black, as long as the second, convex above, slightly convex beneath, rounded at the tip; bristle downy, tapering from the base to the tip, about twice the length of the third feeler-joint, its second joint twice the length of its first: chest and breast brownish tawny, beset with black hairs and bristles; chest adorned with four interrupted slender black stripes; scutcheon ferruginous, covered with a slight tawny down, armed with stout black spines: abdomen dark ferruginous, thickly beset with black spines, black along the sides and at the tip, where there is a large bright golden spot: legs tawny, clothed with black hairs and bristles; feet bright yellow, clothed with pale yellow hairs and bristles: tips of claws black: wings gray; wing-ribs and veins tawny; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, which sends forth a little stump beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein nearly straight for half the length, curved outward from thence to the tip; scales dingy white. Length of the body 5 lines; of the wings 11 lines.

a. Venezeula. From Mr. Dyson's collection.

TACHINA diversa, n. s. *Cinerea, capite albo, abdomine rufo albo vario, antennis nigris, pedibus rufis femoribus basi tarsisque nigris, alis subnigris.*

Head white, gray on the crown, clothed beneath with white hairs, beset above and on the front with black bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, clothed at the tip with short tawny hairs; palpi short: eyes dark red, slightly bronzed: feelers black, covered with gray bloom, as long as the face; third joint a little longer than the second, convex above, almost flat beneath, rounded at the tip; bristle downy, more than twice the length of the third feeler-joint; second joint twice the length of the first; third joint tapering to one-third of its length, slender from thence to the tip: chest and breast gray, clothed with black hairs and bristles; scutcheon and abdomen armed with black spines: abdomen deep red; third and fourth segments adorned with two triangular white spots that are joined together; tip of the abdomen, sides of the segments above, and hind borders of the segments whitish: legs deep red, beset with black hairs and spines; thighs towards the base and feet black; claws and foot-cushions yellowish-white; tips of the claws black: wings blackish, darkest at the base and along the little cross-vein in the

disk; wing-ribs and some of the veins tawny, the other veins pitchy; tip cross-vein forming a nearly right angle with the longitudinal vein, much curved inward near the base, almost straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein with two long and very slight curves, the lower inward, the upper indistinct and outward; scales white. Length of the body 5½ lines; of the wings 13 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VI.

Third joint of the feelers very much longer than the second, slightly convex above, flat beneath, rounded at the tip; second joint of the bristle about twice the length of the first.

TACHINA æquabilis, n. s. *Fulva, capite albido, thoracis vittis quatuor obscurioribus, antennis fulvis, articulo 3° nigro, pedibus fulvis, alis fuscis.*

Head yellowish white, clothed beneath with white hairs, beset on the crown with black hairs, and in front with black bristles, adorned from the eyelets to the feelers with a brown stripe between two tawny-gray stripes; epistoma very prominent; no bristle on the sides of the face; sucker black, clothed at the tip with short yellow hairs: eyes dark red: feelers tawny, as long as the face; third joint black, tawny at the base, slightly convex above, flat beneath, rounded at the tip, rather less than twice the length of the second joint; bristle black, downy, tapering from the base to the tip, much less than twice the length of the third feeler-joint; its second joint about twice the length of its first: chest and breast dull tawny, beset with a few black hairs and bristles: chest adorned with four slender indistinct darker stripes: abdomen bright tawny, with paler reflections, armed with stout black spines, which are arranged in clusters along the back and on each side of the hind borders of the segments: legs tawny, clothed with black hairs and bristles; tips of claws black; foot-cushions yellow: wings dark brown; wing-ribs and veins tawny; tip cross-vein forming a right angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein almost straight for half the length from the base, slightly and irregularly curved outward from thence to the tip; scales dingy white. Length of the body 5 lines; of the wings 11 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VII.

Third joint of the feelers very little longer than the second, flat above, deepening beneath from the base to the tip, which is obliquely truncated; second joint of the bristle twice the length of the first.

TACHINA constans, n. s. *Fusco-fulva, capite flavo, pectore cano, abdomine rufo maculis nigris ornato, antennis fulvis articulo 3° nigro, pedibus fulvis, tibiis anticis tarsisque flavis, alis fuscis.* Jurinia rufiventris? *Macq. Dipt. Exot.* ii. 2, 41, 7, *pl.* 3, *f.* 9.

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with black bristles; epistoma very prominent, no bristles on the sides of the face; crown brown; sucker black, its tip pitchy and clothed with short whitish hairs: eyes pitchy: feelers tawny, as long as the face; third joint black, very little longer than the second joint, flat above, deepening beneath from the base to the tip, which is obliquely truncated; bristle downy, rather stout, tapering, not near twice the length of the third feeler-joint, its second joint twice the length of the first: chest brownish tawny, clothed with black hairs and bristles; breast hoary; scutcheon armed with black spines: abdomen deep red, with a row of black spots along the back, armed with stout black spines, which are mostly disposed in clusters on the back and along the sides of the hind borders of the segments, and are especially thick at the tip: legs tawny, beset with black hairs and bristles; feet and fore shanks yellow, the former clothed with pale yellow hairs and bristles; claws and foot-cushions pale yellow, tips of the claws black: wings and scales pale brown; wing-ribs and veins tawny; tip cross-vein forming an almost right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it is slightly curved outward. Length of the body 6 lines; of the wings 14 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VIII.

Third joint of the feelers much longer than the second, slightly convex above, more convex beneath, rounded at the tip; second joint of the bristle about twice the length of the first.

TACHINA transiens, n. s. *Fusca, capite pectoreque fulvis, abdomine rufo-fusco, segmentorum suturis nigris, antennis nigris, pedibus fulvis, alis fuscis.*

Head brownish tawny, clothed beneath with pale tawny hairs, beset above and in front with black hairs and bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, clothed at the tip with a few short pale tawny hairs: eyes pitchy: feelers black, as long as the face; third joint much longer than the second, slightly convex above, more convex beneath, rounded at the tip; bristle downy, rather stout, about twice the length of the third feeler-joint, tapering from the base to the tip; its second joint about twice the length of the first: chest dark brown, clothed with tawny hairs and black bristles; breast tawny; scutcheon armed with black spines: abdomen reddish tawny, much longer and broader than the chest, thickly clothed with reddish tawny hairs, armed with a few stout black spines, darker along the middle of the back; sutures of the segments black: legs tawny, clothed with short black hairs and bristles: claws and foot-cushions pale tawny; tips of the claws black: wings and scales dark brown; wing-ribs and veins tawny; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two hardly perceptible curves, the lower inward, the upper outward. Length of the body 5 lines; of the wings 12 lines.

a. Quito. Presented by W. Hewitson, Esq.

Group IX.

Third joint of the feelers longer than the second, very convex above, flat beneath, rounded at the tip; second joint of the bristle hardly longer than the first.

TACHINA trianguli, n. s. *Fusco-fulva, capite flavo, thoracis lateribus pectore scutelloque fulvis, abdomine maculis trigonis nigris ornato, antennis piceis, pedibus fulvis, alis cinereis basi fulvis.*

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with a few black bristles; epistoma very prominent; no bristles on the sides of the face; sucker and palpi black, clothed with short black hairs; palpi tawny at the base, nearly as long as the sucker: eyes pitchy slightly bronzed: feelers pitchy, as long as the face; third joint longer than the second, very convex above, flat beneath, rounded at the tip; bristle black, naked, rather

slender, tapering from the base to the tip, full twice the length of the third feeler-joint, its first and second joints tawny; second joint short, hardly longer than the first: chest brownish tawny, clothed with tawny hairs, beset with black bristles; sides, breast, and scutcheon tawny; scutcheon armed with black spines: abdomen bright tawny, adorned along the back with a row of black triangular spots, clothed with tawny hairs, armed with black spines, which occupy the hind borders of the segments, and are most numerous at the tip: legs tawny, clothed with black hairs and bristles; claws and foot-cushions yellow; tips of the claws black: wings gray, tawny at the base; scales yellowish white; wing-ribs and veins tawny; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, which sends forth a very short stump beyond it, much curved near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight for half the length, very slightly curved outward from thence to the tip. Length of the body 6 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

Group X.

Third joint of the feelers twice the length of the second, linear, truncated at the tip; first and second joints of the bristle very short.

TACHINA finitima, n. s. *Fusca, capite albido, thoracis vittis quatuor obscurioribus, lateribus pectore scutelloque fulvis, abdominis apice ferrugineo, antennis pedibusque fulvis, alis cinereis basi fulvis.*

Head yellowish white, dark tawny, with a hoary stripe between the eyelets and the feelers, clothed beneath with yellowish white hairs, beset above and in front with a few black bristles; epistoma prominent; no bristles on the sides of the face; sucker tawny, clothed with short pale yellow hairs; palpi yellow, long, beset with short black bristles: feelers tawny, as long as the face; third joint linear, truncated at the tip, twice the length of the second joint; bristle black, naked, more than twice the length of the third feeler-joint; first and second joints rather long, equal in length; third joint stout for about half its length, thence to the tip very slender: chest brown, clothed with tawny hairs, beset with black bristles, adorned with four darker, slender indistinct stripes; sides, scutcheon, and breast tawny: scutcheon armed with black spines: abdomen bright tawny, ferruginous towards the tip, broader and much longer

hairs, beset above with a few black hairs and bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy and clothed with short pale yellowish hairs at the tip; palpi short: feelers black, as long as the face; third joint very much longer than the second, convex above, slightly convex beneath, rounded at the tip, rising along the back till near the tip where is its deepest part; bristle pitchy, downy, gradually tapering from the base to the tip; second joint about twice the length of the first; third joint not near twice the length of the third feeler-joint: abdomen armed with black spines, especially towards the tip, yellow, and half transparent from the base to beyond the middle, adorned with a ferruginous stripe which extends to the tip: legs black, clothed with black hairs and bristles; claws and foot-cushions white; tips of claws black: wings and scales brown, wing-ribs and veins dark tawny, tip cross-vein forming a slightly acute angle with the fourth longitudinal vein which projects a little beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, one long and near the base, the other shorter and very near the tip. Length of the body 5—6 lines; of the wings 11—14 lines.

a. Venezuela. From Mr. Dyson's collection.

Group IV.

Third joint of the feelers a little longer than the second; slightly convex above, flat beneath, rounded at the tip; second joint of the bristle full twice the length of the first.

TACHINA melanopyga, *Wied. Auss. Zweif.* ii. 272, 19.
a. ———?

Group V.

Third joint of the feelers as long as the second, convex above, slightly convex or flat beneath, rounded at the tip; second joint of the bristle more than twice the length of the first.

TACHINA aurifera, n. s. *Fusco-fulva, capite flavo, scutello abdomineque ferrugineis, abdominis lateribus nigris, apice aureo maculato, antennis fulvis articulo 3° nigro, pedibus fulvis, tarsis flavis, alis cinereis.*

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with some black bristles; epistoma very promi-

nent; no bristles on the sides of the face; sucker black, pitchy and clothed with some short pale yellow hairs at the tip; palpi short: eyes pitchy: feelers tawny, as long as the face; third joint pitchy, black, as long as the second, convex above, slightly convex beneath, rounded at the tip; bristle downy, tapering from the base to the tip, about twice the length of the third feeler-joint, its second joint twice the length of its first: chest and breast brownish tawny, beset with black hairs and bristles; chest adorned with four interrupted slender black stripes; scutcheon ferruginous, covered with a slight tawny down, armed with stout black spines: abdomen dark ferruginous, thickly beset with black spines, black along the sides and at the tip, where there is a large bright golden spot: legs tawny, clothed with black hairs and bristles; feet bright yellow, clothed with pale yellow hairs and bristles: tips of claws black: wings gray; wing-ribs and veins tawny; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, which sends forth a little stump beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein nearly straight for half the length, curved outward from thence to the tip; scales dingy white. Length of the body 5 lines; of the wings 11 lines.

a. Venezeula. From Mr. Dyson's collection.

TACHINA diversa, n. s. *Cinerea, capite albo, abdomine rufo albo vario, antennis nigris, pedibus rufis femoribus basi tarsisque nigris, alis subnigris.*

Head white, gray on the crown, clothed beneath with white hairs, beset above and on the front with black bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, clothed at the tip with short tawny hairs; palpi short: eyes dark red, slightly bronzed: feelers black, covered with gray bloom, as long as the face; third joint a little longer than the second, convex above, almost flat beneath, rounded at the tip; bristle downy, more than twice the length of the third feeler-joint; second joint twice the length of the first; third joint tapering to one-third of its length, slender from thence to the tip: chest and breast gray, clothed with black hairs and bristles; scutcheon and abdomen armed with black spines: abdomen deep red; third and fourth segments adorned with two triangular white spots that are joined together; tip of the abdomen, sides of the segments above, and hind borders of the segments whitish: legs deep red, beset with black hairs and spines; thighs towards the base and feet black; claws and foot-cushions yellowish-white; tips of the claws black: wings blackish, darkest at the base and along the little cross-vein in the

disk; wing-ribs and some of the veins tawny, the other veins pitchy; tip cross-vein forming a nearly right angle with the longitudinal vein, much curved inward near the base, almost straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein with two long and very slight curves, the lower inward, the upper indistinct and outward; scales white. Length of the body 5½ lines; of the wings 13 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VI.

Third joint of the feelers very much longer than the second, slightly convex above, flat beneath, rounded at the tip; second joint of the bristle about twice the length of the first.

TACHINA æquabilis, n. s. *Fulva, capite albido, thoracis vittis quatuor obscurioribus, antennis fulvis, articulo 3° nigro, pedibus fulvis, alis fuscis.*

Head yellowish white, clothed beneath with white hairs, beset on the crown with black hairs, and in front with black bristles, adorned from the eyelets to the feelers with a brown stripe between two tawny-gray stripes; epistoma very prominent; no bristle on the sides of the face; sucker black, clothed at the tip with short yellow hairs: eyes dark red: feelers tawny, as long as the face; third joint black, tawny at the base, slightly convex above, flat beneath, rounded at the tip, rather less than twice the length of the second joint; bristle black, downy, tapering from the base to the tip, much less than twice the length of the third feeler-joint; its second joint about twice the length of its first: chest and breast dull tawny, beset with a few black hairs and bristles: chest adorned with four slender indistinct darker stripes: abdomen bright tawny, with paler reflections, armed with stout black spines, which are arranged in clusters along the back and on each side of the hind borders of the segments: legs tawny, clothed with black hairs and bristles; tips of claws black; foot-cushions yellow: wings dark brown; wing-ribs and veins tawny; tip cross-vein forming a right angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein almost straight for half the length from the base, slightly and irregularly curved outward from thence to the tip; scales dingy white. Length of the body 5 lines; of the wings 11 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VII.

Third joint of the feelers very little longer than the second, flat above, deepening beneath from the base to the tip, which is obliquely truncated; second joint of the bristle twice the length of the first.

TACHINA constans, n. s. *Fusco-fulva, capite flavo, pectore cano, abdomine rufo maculis nigris ornato, antennis fulvis articulo 3° nigro, pedibus fulvis, tibiis anticis tarsisque flavis, alis fuscis.* Jurinia rufiventris? *Macq. Dipt. Exot.* ii. 2, 41, 7, *pl.* 3, *f.* 9.

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with black bristles; epistoma very prominent, no bristles on the sides of the face; crown brown; sucker black, its tip pitchy and clothed with short whitish hairs: eyes pitchy: feelers tawny, as long as the face; third joint black, very little longer than the second joint, flat above, deepening beneath from the base to the tip, which is obliquely truncated; bristle downy, rather stout, tapering, not near twice the length of the third feeler-joint, its second joint twice the length of the first: chest brownish tawny, clothed with black hairs and bristles; breast hoary; scutcheon armed with black spines: abdomen deep red, with a row of black spots along the back, armed with stout black spines, which are mostly disposed in clusters on the back and along the sides of the hind borders of the segments, and are especially thick at the tip: legs tawny, beset with black hairs and bristles; feet and fore shanks yellow, the former clothed with pale yellow hairs and bristles; claws and foot-cushions pale yellow, tips of the claws black: wings and scales pale brown; wing-ribs and veins tawny; tip cross-vein forming an almost right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it is slightly curved outward. Length of the body 6 lines; of the wings 14 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VIII.

Third joint of the feelers much longer than the second, slightly convex above, more convex beneath, rounded at the tip; second joint of the bristle about twice the length of the first.

TACHINA transiens, n. s. *Fusca, capite pectoreque fulvis, abdomine rufo-fusco, segmentorum suturis nigris, antennis nigris, pedibus fulvis, alis fuscis.*

Head brownish tawny, clothed beneath with pale tawny hairs, beset above and in front with black hairs and bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, clothed at the tip with a few short pale tawny hairs: eyes pitchy: feelers black, as long as the face; third joint much longer than the second, slightly convex above, more convex beneath, rounded at the tip; bristle downy, rather stout, about twice the length of the third feeler-joint, tapering from the base to the tip; its second joint about twice the length of the first: chest dark brown, clothed with tawny hairs and black bristles; breast tawny; scutcheon armed with black spines: abdomen reddish tawny, much longer and broader than the chest, thickly clothed with reddish tawny hairs, armed with a few stout black spines, darker along the middle of the back; sutures of the segments black: legs tawny, clothed with short black hairs and bristles: claws and foot-cushions pale tawny; tips of the claws black: wings and scales dark brown; wing-ribs and veins tawny; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two hardly perceptible curves, the lower inward, the upper outward. Length of the body 5 lines; of the wings 12 lines.

a. Quito. Presented by W. Hewitson, Esq.

Group IX.

Third joint of the feelers longer than the second, very convex above, flat beneath, rounded at the tip; second joint of the bristle hardly longer than the first.

TACHINA trianguli, n. s. *Fusco-fulva, capite flavo, thoracis lateribus pectore scutelloque fulvis, abdomine maculis trigonis nigris ornato, antennis piceis, pedibus fulvis, alis cinereis basi fulvis.*

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with a few black bristles; epistoma very prominent; no bristles on the sides of the face; sucker and palpi black, clothed with short black hairs; palpi tawny at the base, nearly as long as the sucker: eyes pitchy slightly bronzed: feelers pitchy, as long as the face; third joint longer than the second, very convex above, flat beneath, rounded at the tip; bristle black, naked, rather

slender, tapering from the base to the tip, full twice the length of the third feeler-joint, its first and second joints tawny; second joint short, hardly longer than the first: chest brownish tawny, clothed with tawny hairs, beset with black bristles; sides, breast, and scutcheon tawny; scutcheon armed with black spines: abdomen bright tawny, adorned along the back with a row of black triangular spots, clothed with tawny hairs, armed with black spines, which occupy the hind borders of the segments, and are most numerous at the tip: legs tawny, clothed with black hairs and bristles; claws and foot-cushions yellow; tips of the claws black: wings gray, tawny at the base; scales yellowish white; wing-ribs and veins tawny; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, which sends forth a very short stump beyond it, much curved near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight for half the length, very slightly curved outward from thence to the tip. Length of the body 6 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

Group X.

Third joint of the feelers twice the length of the second, linear, truncated at the tip; first and second joints of the bristle very short.

TACHINA finitima, n. s. *Fusca, capite albido, thoracis vittis quatuor obscurioribus, lateribus pectore scutelloque fulvis, abdominis apice ferrugineo, antennis pedibusque fulvis, alis cinereis basi fulvis.*

Head yellowish white, dark tawny, with a hoary stripe between the eyelets and the feelers, clothed beneath with yellowish white hairs, beset above and in front with a few black bristles; epistoma prominent; no bristles on the sides of the face; sucker tawny, clothed with short pale yellow hairs; palpi yellow, long, beset with short black bristles: feelers tawny, as long as the face; third joint linear, truncated at the tip, twice the length of the second joint; bristle black, naked, more than twice the length of the third feeler-joint; first and second joints rather long, equal in length; third joint stout for about half its length, thence to the tip very slender: chest brown, clothed with tawny hairs, beset with black bristles, adorned with four darker, slender indistinct stripes; sides, scutcheon, and breast tawny: scutcheon armed with black spines: abdomen bright tawny, ferruginous towards the tip, broader and much longer

than the chest, adorned with a row of black spots, armed with black spines, which are chiefly arranged in groups and abound most at the tip: legs tawny, clothed with black hairs and bristles; claws and foot-cushions pale yellow; foot-cushions very small; tips of claws black: wings gray, tawny towards the base; wing-ribs and veins tawny; tip cross-vein forming an acute angle with the fourth longitudinal vein, which has a knob beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two very indistinct curves, the lower inward, the upper outward; scales pale gray. Length of the body 5—6 lines; of the wings 12—13 lines.

Var. β. Body rather darker; third joint of the feelers pitchy, its base tawny.

a. Nova Scotia. From Lieut. Redman's collection.
b. United States. Presented by the Entomological Club.
c. ———?

Group XI.

Third joint of the feelers very much longer than the second, very convex above, slightly concave beneath, rounded at the tip; second joint of the bristle twice the length of the first.

TACHINA signifera, n. s. *Flavo-fusca, capite albido, scutello ferrugineo, abdomine nigro, apicem versus fulvo maculato, antennis fulvis, articulo 3° nigro, pedibus fulvis femoribus basi nigris, alis cinereis basi fulvis.*

Head yellowish white, gray with a tawny stripe between the eyes, beset above with a few black bristles, clothed beneath with white hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny: eyes red, slightly bronzed: feelers tawny, as long as the face; third joint black, very much longer than the second, very convex above, slightly concave beneath, rounded at the tip; bristle black, rather stout, tapering from the base to the tip, not near twice the length of the third feeler-joint, its second joint long, twice the length of the first: chest yellowish brown, clothed with black hairs and bristles; scutcheon ferruginous: abdomen black, shining, beset with black hairs, bristles and spines, very dark red on each side; back near the tip adorned with a pale buff mark somewhat resembling a Psi reversed; tip ferruginous: legs tawny, clothed with black hairs and bristles; thighs black towards the base, claws and foot-cushions pale tawny; tips of the claws black: wings

gray, tawny towards the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight for rather more than half the length, very slightly curved outward from thence to the tip; scales dingy white. Length of the body 5½ lines; of the wings 11 lines.

a. Nova Scotia. From Lieut. Redman's collection.
b. ———?

Group XII.

Third joint of the feelers very much longer than the second, flat above, slightly convex beneath, somewhat rounded at the tip; second joint of the bristle short, longer than the first.

TACHINA signata, n. s. *Fulva, thorace vittis quatuor nigris pectore cano, abdominis dorso plerumque nigro flavo vittato, antennis nigris, articulis 2° apice 3°que basi subtus ferrugineis, pedibus fulvis, tarsis nigris, alis cinereis.*

Head tawny, with a stripe between the eyes from the crown to the base of the feelers, beset above with a few black bristles, clothed beneath with pale tawny hairs: epistoma prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with tawny hairs towards the tip; palpi tawny, beset with a few tawny hairs: eyes red, covered with pale tawny down: feelers black, shorter than the face; second joint towards the tip and third at the base beneath ferruginous; third joint flat above, slightly convex beneath, somewhat rounded at the tip, very much longer than the second joint; bristle downy, near twice the length of the third feeler-joint, rather thick for half its length from the base, slender thence to the tip; its second joint short, but longer than the first: chest dull tawny, thinly clothed with black hairs, beset with black bristles, adorned with four black stripes: breast hoary: abdomen deep tawny, adorned with slight pale tawny reflections, clothed with tawny hairs and black bristles, armed with some long black spines; much of its back occupied by a large black mark which forms an irregular cross, and contains a dull buff stripe: legs tawny, clothed with black hairs and bristles; feet black above: wings gray; wing-ribs and veins tawny; veins pitchy towards the tips, slightly clouded with brown; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward near the base, almost straight from thence to

the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the upper outward; scales pale tawny. Length of the body 6 lines; of the wings 12 lines.

a. ———?

Group XIII.

Third joint of the feelers nearly twice the length of the second, rather deep, flat above, slightly convex beneath, truncated at the tip; second joint of the bristle very short, but longer than the first.

TACHINA Alcis, n. s. *Fulva, thoracis vittis quatuor nigris, abdomine maculis nigris ornato, antennis pedibusque nigris, femoribus subtus tibiisque fulvis, alis cinereis fulvo vittatis.*

Head tawny, partly covered with whitish bloom, black above, beset with a few black bristles, clothed beneath with yellow hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with yellow hairs towards the tip; palpi tawny, slender, rather long, clothed with a few long tawny hairs; eyes red, varied with black: feelers black, hardly as long as the face; third joint nearly twice the length of the second, rather deep, flat above, convex beneath, truncated at the tip; bristle downy, twice the length of the third feeler-joint, rather thick for two-thirds of the length from the base, slender thence to the tip; second joint of moderate length, longer than the first: chest and breast black, covered with a dark tawny bloom: chest clothed with black hairs and bristles, adorned with four slender black stripes; breast partly clothed with tawny hairs: scutcheon tawny, beset with long, slender black spines: abdomen tawny, clothed with black hairs, armed with black spines, which are mostly towards the tips, adorned above and below with a row of black spots, which increase in breadth from the base to the tip: legs black, clothed with black hairs and bristles; thighs beneath and shanks tawny: wings gray, tawny towards the base and along the fore borders and on the sides of the veins; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower distinct and inward, the upper outward and more slight; scales yellowish white. Length of the body 6 lines; of the wings 12 lines.

a. ———?

Group XIV.

Third joint of the feelers nearly linear, much more than twice the length of the second joint, hardly concave above, slightly convex beneath, rounded at the tip; second joint of the bristle longer than the first.

TACHINA Zelica, n. s. *Fulva, thorace ferrugineo, disco fusco quinque vittato, abdominis segmentorum marginibus posticis nigris, antennis piceis, articulo 3º nigro, pedibus ferrugineis, alis cinereis basi fulvis, venis fusco limbatis.*

Body clothed with black hairs and bristles: head tawny, silky, clothed beneath with pale yellow hairs, darker on the crown, and having there a broad dark ferruginous stripe, which widens from the eyelets to the base of the feelers; sides of the face fringed with bristles for one-fourth of the length from the base; epistoma somewhat prominent: eyes pitchy, hairy, red along the borders: sucker black, clothed at the tip with tawny hairs: palpi tawny, long, beset with black bristles: feelers pitchy, shorter than the face; second joint ferruginous towards the tip; third joint black, nearly linear, much more than twice the length of the second joint, hardly concave above, slightly convex beneath, rounded at the tip; bristle much longer than the third joint, its second joint rather short, but longer than the first; third joint stout, tapering from the base to the tip: chest dark brown, adorned with five paler indistinct stripes; sides and scutcheon ferruginous; breast pitchy: abdomen bright tawny, clothed with tawny hairs and black bristles, the latter are chiefly on the hind borders of the segments and towards the tip; a black band on the hind border of each segment: legs ferruginous clothed with black hairs and bristles; claws and foot-cushions pale tawny; tips of the claws black: wings dark gray, tawny at the base, brown along the borders of the veins, and especially of the cross-veins; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales yellow with darker borders. Length of the body 7 lines; of the wings 13 lines.

a. New Zealand. Presented by Dr. Sinclair.

Group XV.

Third joint of the feelers long, slender, linear, full thrice the length of the second joint, rounded at the tip, reaching the epistoma; first and second joint of the bristle very short.

TACHINA breviventris, *Wied. Auss. Zweif.* ii. 297, 28.
a. Jamaica. From Mr. Gosse's collection.

Group XVI.

Third joint a little more than twice the length of the second, very slightly convex on the back, and equally concave beneath, rounded at the tip; second joint of the bristle short, hardly longer than the first.

TACHINA patula, n. s. *Nigra, thorace cinereo vittis nigris nigris, antennis pedibusque nigris, alis cinereis.*

Body black: head hoary, beset above and in front with black hairs and bristles, clothed beneath with white hairs; epistoma slightly prominent; no bristles on the sides of the face; sucker pitchy, clothed towards the tip with short pale tawny hairs; palpi long, tawny, beset with short black bristles: eyes bright red: feelers black, as long as the face; second joint reddish at the tip; third joint more than twice the length of the second, nearly linear, very slightly convex above, and equally concave beneath, rounded at the tip; bristle downy, slender, about twice the length of the third feeler-joint; second joint short, hardly longer than the first: chest and breast clothed with black hairs and bristles: chest covered with a gray bloom, which is indistinctly striped: scutcheon and abdomen thickly armed with black spines, the latter much broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings gray, darker at the base; wing-ribs pitchy; veins black; tip cross-vein forming hardly less than a right angle with the longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper outward and extremely slight; scales blackish. Length of the body 5½ lines; of the wings 12 lines.

a. ——— ?

Group XVII. Jurinia, *Desv. Essai. Myod.* 34.

TACHINA hystrix, *Fabr. Syst. Antl.* 310, 8. *Wied. Auss. Zweif.* ii. 283, 6. Musca hystrix, *Fabr. Syst. Ent.* 777, 21. *Ent. Syst.* iv. 325, 55. *Drury, Ins.* ii. *pl.* 45. *f.* 7. Echinomyia hystrix, *Macq. Hist. Nat. Dipt.* ii. 79, 30.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. Nova Scotia. From Lieut. Redman's collection.

TACHINA basalis, n. s. *Nigra, capite albo, abdomine rufo, antennis pedibusque nigris, alis cinereis basi nigris, nervo transverso disci fusco nebuloso.*

Smaller than *T. hystrix*, the abdomen more thickly armed with spines, the wings rather paler. Body black: head white, gray with a brown stripe from the crown to the base of the feelers, beset above with a few black bristles, clothed beneath with white hairs; epistoma very prominent; sides of the face fringed with bristles on one-fourth of the length from the base: sucker black, clothed at the tip with a few short pale tawny hairs; palpi long, tawny, beset with short black bristles: eyes bright red, not hairy: feelers black, as long as the face; third joint hardly longer than the second, very convex above, flat beneath, rounded at the tip; bristle downy, gradually tapering from the base to the tip, much longer than the third feeler-joint, but not twice its length; second joint long, twice the length of the first: chest and breast thickly clothed with black hairs and bristles: scutcheon armed with black spines: abdomen deep dark red, shining, clothed with black hairs, armed with black spines which most abound towards the tip: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions yellow: wings gray, black at the base; wing-ribs red; veins black; the little cross-vein clouded with brown; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight for nearly half the length from the base, very slightly curved outward from thence to the tip; scales blackish. Length of the body 6 lines; of the wings 12 lines.

a. Jamaica. From Mr. Gosse's collection.

TACHINA gagatea? Jurinia gagatea? *Desv. Essai Myod.* 36, 5.
a. Venezuela. From Mr. Dyson's collection.

TACHINA alligans, n. s. *Nigra, capite flavo, thorace fulvo-cinereo vittis quatuor nigris, scutello abdomineque rufo-nigris, antennis nigris, pedibus rufis, femoribus nigris, alis fuscis.*

Body black: head pale yellow, darker above, and adorned with a brown stripe, which widens from the crown to the base of the feelers, beset with a few black bristles, clothed beneath with yellowish white hairs; epistoma very prominent; no bristles on the sides of the face: eyes red, slightly bronzed: sucker black, pitchy and clothed with a few short tawny hairs at the tip: feelers black, as long as the face; third joint not longer than the second, very con-

vex above, pitchy and slightly concave beneath, rounded at the tip; bristle downy, about twice the length of the third joint, rather stout for about one-third of its length from the base, tapering and slender from thence to the tip, second joint of moderate length, longer than the first: chest tawny-gray, with four indistinct slender black stripes, clothed with black hairs and bristles: scutcheon and abdomen reddish black, shining, clothed with black hairs, armed with black spines: abdomen a little broader and longer than the chest: legs red, clothed with black hairs and bristles; hips and thighs black, covered with gray bloom; claws and foot-cushions pale tawny; tips of the claws black: wings brownish; wing-ribs and veins dark tawny; some of the latter pitchy; tip cross-vein forming an acute angle with the fourth longitudinal vein, having a short, but distinct inward curve near the base, straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein almost straight for full half the length, slightly curved outward from thence to the tip; scales blackish. Length of the body 6 lines; of the wings 13 lines.

a. Venezuela. From Mr. Dyson's collection.

TACHINA leucomelana, n. s. *Nigra, capite albido, thorace pectoreque cinereis, illo obsolete vittato, antennis pedibusque nigris, alis cinereis.*

Body black: head yellowish white, beset above and in front with black bristles, clothed beneath with white hairs; crown black; epistoma very prominent; sides of the face bristly at the base; sucker black, ferruginous and clothed with short pale tawny hairs at the tip; palpi tawny: eyes red, slightly bronzed, not hairy; feelers black, as long as the face; third joint a little longer than the second, slightly convex above, flat beneath, almost truncated, but slightly rounded at the tip; bristle downy, slender, tapering from the base to the tip, full twice the length of the third feeler-joint, its second joint at least twice the length of the first: chest gray, clothed with black hairs and bristles, indistinctly striped; breast hoary; scutcheon armed with black spines: abdomen deep black, much broader than the chest, beset with black hairs and spines: legs black, clothed with black hairs and bristles; claws and foot-cushions pale tawny; tips of the claws black: wings gray; wing-ribs tawny; veins pitchy; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein almost straight, but a little inclined inward for more than half the length from the base, and very slightly curved outward from thence to the

tip; scales blackish. Length of the body 5 lines; of the wings 11 lines.

a. ——;

TACHINA chrysiceps. Jurinia chrysiceps, *Desv. Essai Myod.* 37, 8.
a. ——?

TACHINA bicolor, *Wied. Auss. Zweif.* ii. 282, 3. Echinomyia fuligipennis, *Macq. Hist. Nat. Dipt.* ii. 77, 24. Jurinia bicolor, *Macq. Dipt. Exot.* ii. 3, 39, 3, *pl.* 3, *f.* 7. J. Brasiliensis? *Desv. Essai Myod.* 35, 2. Echinomyia Brasiliensis? *Macq. Hist. Nat. Dipt.* ii. 77, 23.
a. ——? From Mr. Children's collection.

TACHINA decisa, n. s. *Nigra, capite albido, thorace subcinereo, lateribus scutello abdomineque rufis, abdomine nigro vittato, antennis ferrugineis, pedibus nigris, alis cinereis basi fuscis.*

Body black: head yellowish white, tawny, and adorned with a ferruginous stripe above, beset with a few black bristles, clothed beneath with yellowish white hairs; epistoma very prominent; no bristles on the sides of the face: sucker black, clothed towards the tip with short pale tawny hairs; palpi tawny, beset with short black bristles: eyes pitchy, red above and in front: feelers ferruginous, as long as the face; third joint a little shorter than the second, increasing in depth from the base to the tip, which is slightly rounded, but almost truncated; bristle downy, tapering, much less than twice the length of the third joint, its second joint long, twice the length of the first: chest slightly tinged with gray, dark red on each side, beset with black hairs and bristles: scutcheon and abdomen dark red, shining, clothed with black hairs, armed with black spines; an interrupted black stripe along the back of the abdomen: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions pale yellow: wings gray, brown at the base; wing-ribs and veins dark tawny, some of the latter pitchy; cross-veins, especially the little one in the disk, clouded with brown; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved inward near the base, almost straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the upper outward; scales blackish. Length of the body 5—6 lines; of the wings 11—12 lines.

Var. β. Third joint of the feelers pitchy.

Var. γ. First and third joints of the feelers pitchy, third joint tawny at the base beneath.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. Nova Scotia. From Lieut. Redman's collection.

c. North America. Presented by the Entomological Club.

TACHINA contraria, n. s. *Fulva, capite flavo, abdomine nigro, antennis ferrugineis, articulo 3º nigro, pedibus fulvis, femoribus intermediis basi nigris, pedibus posticis piceis femoribus nigris, alis cinereis basi flavis.*

Head yellow, darker and adorned with a ferruginous stripe between the eyes, beset with a few black bristles, clothed beneath with pale yellow hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, ferruginous, and clothed with short pale yellow hairs towards the tip: eyes red: feelers ferruginous, as long as the face; third joint black, hardly longer than the second, convex above, flat beneath, rounded at the tip; bristle downy, tapering, twice the length of the third joint, its second joint long and twice the length of the first: chest and breast tawny, clothed with black hairs and bristles; scutcheon armed with black spines: abdomen deep black, clothed with black hairs and spines: legs clothed with black hairs and bristles; fore legs and middle legs tawny; middle thighs black towards the base; hind legs pitchy, thighs black, knees tawny; claws and foot-cushions pale tawny, tips of claws black: wings gray, yellow at the base; wing-ribs and veins tawny, some of the latter black towards the tips; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight for half the length from the base, slightly curved outward from thence to the tip; scales dingy yellow. Length of the body 4 lines; of the wings 10 lines.

a. Mexico. Presented by E. P. Coffin, Esq.

TACHINA Boscii. Jurinia Boscii, *Desv. Essai Myod.* 36, 4.

a. ——— ?

TACHINA epileuca, n. s. *Fulvo-cinerea, capite albido, thorace vittis quatuor obscurioribus, pectore cano, abdomine rufo, antennis nigris, articulo 3º subtus ferrugineo, pedibus nigris, alis fusco-cinereis.*

Head yellowish white, darker and adorned with a pitchy stripe between the eyes, beset above with a few black bristles, clothed

beneath with yellowish white hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy and clothed with a few short pale tawny hairs at the tip; palpi tawny: eyes red, not bristly: feelers black, as long as the face; third joint a little longer than the second, slightly convex above, ferruginous and flat beneath, rounded at the tip; bristle dark ferruginous, downy, slender, tapering, about twice the length of the third feeler-joint; first and second joints long, pitchy, of equal length: chest gray, with a tawny tinge, clothed with black hairs and bristles, adorned with four slender darker indistinct and interrupted stripes; breast hoary; scutcheon armed with black spines: abdomen very dark red, shining, beset with black hairs and spines: legs black, clothed with black hairs and bristles; thighs, especially the fore pair, covered with a grayish tawny bloom; claws tawny, with black tips: foot-cushions pale yellow: wings brownish gray; wing-ribs tawny; veins pitchy; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein nearly straight till near the tip, where it has a short and slight outward curve; scales blackish. Length of the body 7 lines; of the wings 15 lines.

a. Jamaica. From Mr. Gosse's collection.

TACHINA metallifera, n. s. *Nigra, capite albido, thorace subcinereo, abdomine nigroæneo, antennis fulvis articulo 3° piceo, pedibus nigris, alis cinereis basi vittisque fulvis.*

Body black: head yellowish white, grayish tawny including a ferruginous stripe between the eyes, beset above and in front with black bristles, clothed beneath with yellowish white hairs; epistoma prominent; no bristles on the sides of the face: sucker black, ferruginous, and clothed with short tawny hairs at the tip; palpi tawny, rather long: eyes red: feelers tawny, as long as the face; third joint pitchy, a little longer than the second, slightly convex above, flat beneath, rounded at the tip; bristle pitchy, tapering, almost naked, black towards the tip, less than twice the length of the third feeler-joint, its second joint long, about twice the length of the first: chest slightly tinged with gray, indistinctly striped, clothed with black hairs and bristles: scutcheon and abdomen armed with black spines: abdomen brassy-black above, black with hoary reflections beneath: legs black, clothed with black hairs and bristles; claws red, with black tips; foot-cushions pale tawny: wings gray, tawny at the base, slightly tawny on the fore borders and along the sides of the veins; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming hardly less than a right angle with the

fourth longitudinal vein, which sends forth a very short stump beyond it, slightly curved inward for half the length from the base, almost straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, almost straight though indistinctly waving from thence to the tip; scales white. Length of the body 7 lines; of the wings 13 lines.

a. ———?

TACHINA apicifera, n. s. *Æneo-fusca, capite albo, pectore cano, abdomine nigroæneo apice ferrugineo, antennis piceo fulvis, pedibus nigris, alis subcinereis basi fulvis.*

Head white, brownish tawny including a tawny stripe between the eyes, beset above with some black bristles, clothed beneath with yellowish white hairs; epistoma prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, rather short, beset with short black bristles: eyes pitchy: feelers tawny, as long as the face; first joint above and third joint pitchy; third joint as long as the second, very convex above near the base, flat on the underside, which is tawny towards the base, rounded at the tip; bristle naked, tapering from the base to the tip, much less than twice the length of the third feeler-joint, second joint very long, about thrice the length of the first: chest pale brassy-brown, covered with a hoary bloom, clothed with black hairs and bristles; scutcheon more or less ferruginous, armed with a few black spines; breast hoary: abdomen black, shining, with a very slight metallic tinge, armed with a few black spines towards the tip, which has hoary reflections on each side; last segment dark ferruginous: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions yellow: wings slightly gray, tawny towards the base; wing-ribs and veins tawny; tips of veins pitchy; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, and having a shorter and more slight outward curve close to the tip; scales dingy white. Length of the body 5—5½ lines; of the wings 10 lines.

a. North America. Presented by the Entomological Club.
b. ———?

Fem.?—Third joint of the feelers not very much more than half the length of the second; first joint tawny above: abdomen

rather longer than that of the male. Length of the body 7 lines; of the wings 12 lines.

a. ——— ?

TACHINA Damippus, n. s. *Fulva, capite subtus flavo, thorace vittato, scutello ferrugineo, abdomine nigro, apice fulvo micante, antennis ferrugineis, articulo 3° pedibusque nigris, alis fuscis basi fusco-fulvis.*

Head tawny, pale yellow and shining in front and beneath, clothed with some short white hairs, beset with a few black bristles, furnished with a brownish stripe between the eyelets and the feelers; epistoma prominent; no bristles on the sides of the face: sucker black, clothed towards the tip with short tawny hairs: palpi tawny, beset with black bristles, widened towards the tips: eyes dark red, bare: feelers ferruginous, as long as the face; third joint black, very convex above, flat and ferruginous beneath, rounded at the tip, a little shorter than the second joint; bristle bare, tapering, less than twice the length of the third feeler-joint, its second joint full twice the length of the first: chest dark tawny, adorned with five very indistinct darker stripes, beset with black bristles; breast paler, clothed with white hairs; scutcheon ferruginous: abdomen black, slightly shining, much broader than the chest, clothed with black hairs, beset with black bristles and spines, adorned with dark tawny reflections towards the tip: legs black, clothed with black hairs and bristles; claws tawny at the base; foot-cushions yellow: wings brown, brownish tawny at the base; wing-ribs deep tawny; veins pitchy; tip cross-vein forming a hardly acute angle with the fourth longitudinal vein, curved inward near the base, straight from hence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein having a slight inward curve near the base, and a short, but hardly perceptible outward curve close to the tip; scales brown, with tawny borders. Length of the body 6 lines; of the wings 13 lines.

a. ——— ?

TACHINA seminigra, *Wied. Auss. Zweif.* ii. 296, 26.
a. Para. Presented by Gordon Graham, Esq.

TACHINA infirma, n. s. *Nigra, thorace cinereo, scutello piceo margine postico ferrugineo, abdomine nigro, antennis ferrugineis, articulo 3° nigro, pedibus nigris, alis cinereis basi fulvis.*

Body black: head yellowish white, tawny between the eyes, beset above with a few black hairs and bristles, clothed beneath with yellowish white hairs; epistoma very prominent; no bristles on

the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, beset with short black bristles: eyes red, slightly bronzed: feelers ferruginous, as long as the face; third joint black, longer than the second, very convex above, flat beneath, rounded at the tip; bristle black, stout, naked, tapering, much longer than the third feeler-joint, though not near twice its length, its second joint long, twice the length of the first: chest and breast gray, clothed with black hairs and bristles; scutcheon pitchy, ferruginous on the hind border, armed with black spines: abdomen coal-black, shining, clothed with black hairs, armed with some black spines, which are mostly near the tip: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings gray, tawny at the base; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two outward curves, the one short and at the base, the other longer and near the tip; scales dingy white. Length of the body 5½ lines; of the wings 9 lines.

a. Chili. From Mr. Cuming's collection.

Group XVIII.

Third joint of the feelers longer than the second, convex above, flat beneath, rounded at the tip; first and second joints of the bristle long, and of nearly equal length.

TACHINA candens, n. s. *Nigra, capite albido, abdomine nigro-rufo, antennis ferrugineis, articulo 3º supra piceo, pedibus nigris, alis cinereis basi fulvis.*

Head yellowish white, tawny with a pitchy stripe between the eyes, beset above with a few black bristles, clothed beneath with pale yellow hairs: epistoma prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, beset with short black bristles: eyes red, here and there pitchy, not hairy: feelers ferruginous, as long as the face; third joint longer than the second, pitchy and convex above, flat beneath, rounded at the tip: bristle black, downy, rather thick, tapering, longer than the third feeler-joint, its first and second joints long and of nearly equal length: chest black, thickly covered with tawny down, clothed with a few black hairs and bristles: scutcheon and abdomen armed with a few black spines, those on the abdomen are nearly all towards its tip: abdomen blackish red, shining, rather

paler, and with a slight tawny tinge here and there beneath: legs black, clothed with black hairs and bristles; hips and fore thighs covered with a tawny bloom; claws tawny, with black tips; foot-cushions pale tawny: wings gray, tawny at the base; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the upper outward; scales yel lowish white. Length of the body 7 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group XIX.

Third joint of the feelers very convex on the back, much longer than the second joint, flat beneath, rounded at the tip; bristle pubescent; second joint much longer than the first, but not twice its length.

TACHINA carbonifera, n. s. *Cyaneo-nigra, capite flavo, antennis ferrugineis, articulo 3° nigro, pedibus nigris, alis cinereis basi fulvis.*

Body bluish black, shining: head yellow, whitish in the cavity for the feelers, beset above and in front with black bristles, clothed beneath with pale yellow hairs; epistoma prominent; a few bristles on the lowest part of the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, beset with short black bristles: feelers ferruginous, as long as the face; third joint black, longer than the second, very convex above, ferruginous towards the lower border, which is flat; bristle downy, tapering from the base to the tip, not much longer than the third feeler-joint, its second joint long, more than twice the length of the first: chest beset with black hairs and bristles: breast slightly gray: abdomen clothed with black hairs, armed with some black spines, which are mostly towards the tip: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions pale tawny: wings gray, tawny towards the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, having a slight inward curve which decreases from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two extremely slight curves, the lower inward, the upper outward; scales very dingy white. Length of the body 6 lines; of the wings 12 lines.

a. ——— ?

Group XX. Dumerillia, *Desv. Essai Myod.* 38.

Group XXI. Peleteria, *Desv. Essai Myod.* 39.

TACHINA abdominalis. Peleteria abdominalis, *Desv Essai Myod.* 41, 4. Echinomyia abdominalis, *Macq. Hist. Nat. Dipt.* ii. 78, 26. *Meig. Dipt.* vii. 186, 20.
a. Albania. Presented by W. W. Saunders, Esq.

Group XXII. Faurella, *Desv. Essai Myod.* 41.

TACHINA meridionalis. Faurella meridionalis, *Desv. Essai Myod.* 41, 1. Echinomyia meridionalis, *Macq. Hist. Nat. Dipt.* ii. 79, 28. *Meig. Dipt.* vii. 186, 19.
a. Albania. Presented by F. Walker, Esq.

Group XXIII. Fabricia, *Desv. Essai Myod.* 42.

TACHINA ferox, *Panz. Faun. Germ.* 104, 20. *Meig. Dipt.* iv. 240, 2. Musca rotundata, *Harr. Ex.* 35, *pl.* 9, *f.* 2. M. ferox, *Panz. Faun. Germ.* 104, 20. Echinomyia ferox, *Macq. Hist. Nat. Dipt.* ii. 75, 17. *Ann. Soc. Ent. France*, *2me série* iii. 254, 1, *pl.* 4, *f.* 2. *Zett. Dipt. Scand.* iii. 999, 8. Fabricia ferox, *Desv. Essai Myod.* 42, 1. *Ann. Soc. Ent. France*, *2me série* ii. 12, 1.
a. England.
b. France.
c. Italy. From Dr. Leach's collection.
d. ———? From Mr. Children's collection.

TACHINA florum, *Barnston's MSS.* *Nigra, capite fulvo, thorace nigroæneo, scutello nigro-rufo, abdomine ferrugineo nigro vittato, antennis ferrugineis, articulo* 3° *nigro, basi fulvo, pedibus nigris, alis cinereis basi fulvis.*

Body black: head tawny, adorned with whitish lustre, almost black between the eyes, beset above with black bristles, clothed beneath with yellow hairs; epistoma very prominent; no bristles on the sides of the face: eyes red: sucker black, clothed at the tip with short tawny hairs; palpi tawny, slender, beset with black bristles: feelers ferruginous, as long as the face; third joint black, rather more than half the length of the second, tawny at the base beneath, deepening above and below from the base to the tip, which

is truncated; bristle black, downy, stout, tapering, hardly more than twice the length of the third feeler-joint, its second joint long, more than twice the length of the first: chest black, with a very slight brassy tinge, clothed with black hairs and bristles: scutcheon reddish black: abdomen ferruginous, adorned with a broad black stripe, clothed with black hairs and bristles; legs black, clothed with black hairs and bristles; claws ferruginous, with black tips; foot-cushions dark tawny: wings gray, tawny at the base; wing-ribs ferruginous; veins tawny, pitchy towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two hardly perceptible curves, the one inward and near the base, the other outward and towards the tip; scales white. Length of the body 4½—5½ lines; of the wings 10—11 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

TACHINA algens, *Wied. Aus. Zweif.* ii. 285, 8. Echinomyia picea, *Desv. Essai Myod.* 44, 2. *Macq. Hist. Nat. Dipt.* ii. 3, 372, *pl.* 3, *f.* 4.
a. Nova Scotia. From Lieut. Redman's collection.

Group XXIV. Echinomyia, *Dumeril.*

TACHINA tepens, n. s. *Nigra, capite aureo, thoracis lateribus scutelloque ferrugineis, abdomine nigro-rufo, antennis fulvis, pedibus nigris, alis subfuscis basi et ad costam fulvis.*

Head gold colour, paler in the cavity for the feelers, somewhat darker on the crown and between the eyes, beset above with black bristles, clothed beneath with yellow hairs; epistoma hardly prominent; no bristles on the sides of the face: sucker black, pitchy, and beset with short tawny hairs at the tip: eyes pitchy: feelers tawny, shorter than the face; third joint much shorter than the second, black above, slightly convex above and below, rounded at the tip; bristle pitchy, tapering, naked, rather more than twice the length of the third feeler-joint, its first and second joints rather long, of nearly equal length: chest black, clothed with black hairs and bristles, ferruginous on each side; scutcheon ferruginous, armed with some long black spines: abdomen blackish red, clothed with short black hairs, paler towards the tip, which is armed with black spines: legs black, clothed with black hairs and bristles; foot-cushions tawny:

wings pale brown, somewhat darker along the borders of the veins, bright tawny towards the base and along half the length of the fore border; wing-ribs ferruginous; veins pitchy, tawny where the wings have that colour; tip cross-vein forming a very slightly acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight, with the exception of two hardly perceptible outward curves, the one at the base, the other at the tip; scales dingy yellow. Length of the body 9 lines; of the wings 18 lines.

a. Silhet. From Mr. Sowerby's collection.
b. ——— ?

Var. *β*. Chest and abdomen paler: third joint of the feelers all tawny. Length of the body 6 lines; of the wings 14 lines.

a. Madras. Presented by Walter Elliott, Esq.

TACHINA fimbriata, n. s. *Nigra, capite aureo, scutello rufo-nigro, abdomine rufo nigro vittato, antennis pedibusque ferrugineis, femoribus nigris, alis fusco-cinereis basi fulvis.*

Body black: head gold colour, dull tawny between the eyes, beset above with black hairs and bristles, clothed beneath and more thickly behind with yellow hairs; epistoma somewhat prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with tawny hairs at the tip: palpi tawny, slender, rather long, beset with black bristles: eyes red: feelers ferruginous, as long as the face; third joint black, ferruginous beneath towards the base, much shorter than the second joint, slightly convex above, more convex beneath, rounded at the tip; bristle black, naked, tapering from the base to the tip, full twice the length of the third feeler-joint, its second joint rather long, more than twice the length of the first joint: chest and breast clothed with black hairs and bristles, slightly covered with grayish tawny bloom; scutcheon reddish black, armed with a few black spines: abdomen very dark red, with a black stripe in the middle, clothed with black hairs, armed with some black spines, which are mostly towards the tip: legs ferruginous, clothed with black hairs and bristles; thighs black; foot-cushions yellow; claws tawny, with black tips: wings brownish gray, pale tawny at the base; wing-ribs ferruginous; veins pitchy, tawny towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved a little inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two long and very indistinct curves, the lower inward, the upper outward; scales

yellowish white. Length of the body 7 lines; of the wings 12 lines.

a. ——— ? From Mr. Children's collection.

TACHINA grossa, *Fabr. Syst. Antl.* 310, 7. *Fall. Musc. Act. Holm.* 1810, 261, 1. *Meig. Dipt.* iv. 239, 1. *Latr. Reg. Anim.* v. 510. Musca grossa, *Linn. Syst. Nat.* ii. 991. *Faun. Suec.* 1837. *Gmel. Ed. Syst. Nat.* v. 2845, 75. *Fabr. Sp. Ins.* ii. 441. *Ent. Syst.* iv. 325, 53. *Reaum. Ins.* iv. *pl.* 26, *f.* 10. *Deg. Ins.* vi. 12, 1, *pl.* 1, *f.* 1, 2. *Panz. Faun. Germ.* 30, 21. *Herbst. Gem. Nat.* viii. 109, 14, *pl.* 341, *f.* 2. *Harr. Ex.* 35, *pl.* 9, *f.* 1. *Don. Brit. Ins.* x. 53, *pl.* 346, *f.* 1. *Stew. El.* ii. 259. *Turt.* iii. 605. *Shaw, Gen. Zool,* vi. 385. *Lam. Anim. sans Verteb.* iii. 362, 8. Echinomyia grossa, *Dumeril, Latr. Gen. Crust.* iv. 343. *Cons. Gen.* 444. *Desv. Essai Myod.* 44, 1? *Ann. Soc. Ent. France, 2me série,* ii. 141. *Macq. Hist. Nat. Dipt.* ii. 71, 1. *Ann. Soc. Ent. France, 2me série,* iii. 255, 2, *pl.* 4, *f.* 6. *Zett. Dipt. Scand.* iii. 992, 1.

a. England.
b. France.
c. ——— ?

TACHINA basifulva, n. s. *Cinerea, capite albo, thoracis vittis quatuor obscurioribus, abdomine cyaneo-nigro, antennis nigris, articulo 3° subtus ferrugineo, pedibus nigris, alis fusco-cinereis basi fulvis.*

Head white, beset above and in front with a few black bristles, clothed beneath with white hairs: crown blackish, thinly clothed with hoary hairs; a pitchy stripe between the eyes; epistoma slightly prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi pitchy, clothed with short black bristles tawny towards the tips: eyes pitchy: feelers black, hardly shorter than the face; third joint shorter than the second, very convex above, flat and ferruginous beneath, rounded at the tip; bristle naked, tapering from the base to the tip, less than twice the length of the third feeler-joint; its second joint more than twice the length of the first joint: chest gray, with four darker, slender, very indistinct stripes, slightly shining, clothed with black hairs and bristles, somewhat tawny about the roots of the wings; scutcheon armed with black spines: abdomen bluish black, shining, beset with black hairs and spines, slightly covered with a gray bloom: legs black, clothed with black hairs and bristles; foot-cushions small, pale tawny: wings brownish gray, tawny towards the base; wing-ribs tawny; veins tawny,

pitchy towards the tips; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein almost straight, with the exception of two very indistinct curves, the lower inward, the upper outward; scales blackish. Length of the body 5—5½ lines; of the wings 11—12 lines.

a. Jamaica. From Mr. Gosse's collection.

TACHINA Anaxias, n. s. *Nigra, capite fulvo, thorace vittis quinque canis, scutello abdominisque apice rufis, antennis ferrugineis, articulo 3º nigro, pedibus nigris, alis fuscis basi subfulvis.*

Body black: head tawny, with paler reflections, darker on the crown, beset above with black bristles, clothed beneath with pale yellow hairs; epistoma very prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, very slender, beset with black bristles: eyes red: feelers ferruginous, as long as the face; third joint black, more than half the length of the second, very convex above, flat beneath, rounded at the tip; bristle black, naked, tapering, about twice the length of the third feeler-joint, its second joint long, about twice the length of the first: chest clothed with black hairs and bristles, adorned with five indistinct hoary stripes; scutcheon dull dark red: abdomen black, with hoary reflections, clothed with black hairs, armed with a few black spines; the last segment red: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions pale yellow: wings brown, with a tawny tinge towards the base; wing-ribs and veins tawny, the latter pitchy towards the tips; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it is slightly curved outward; scales dingy white. Length of the body 5 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA fera, *Fabr. Syst. Antl.* 308, 1. *Fall. Act. Holm.* 1810, 262, 2. *Musc.* 3, 2. *Meig. Dipt.* iv. 340, 3. Musca reccumbo, *Harr. Ex.* 35, *pl.* 9, *f.* 4. Echinomyia fera, *Dumeril, Latr. Gen. Crust.* iv. 343. *Desv. Essai Myod.* 46, 9. *Ann. Soc. Ent. France*, 2*me série*, ii. 14, 1. *Macq. Hist. Nat. Dipt.* ii. 72, 5. *Ann. Soc. Ent. France*, 2*me série*, iii. 256, 3, *pl.* 4, *f.* 1. *Zett. Dipt. Scand.* iii. 994, 3. Musca fera, *Linn. Syst. Nat.* ii. 991.

Faun. Suec. 1836. *Gmel. Ed. Syst. Nat.* 2845, 74. *Fabr. Sp. Ins.* ii. 441, 28. *Ent. Syst.* iv. 324, 29. *Schell. Gen. Mouch. pl.* 2, *f.* 1. *Herbst, Gem. Nat.* viii. 109, 13, *pl.* 341, *f.* 1. *Panz. Faun. Germ.* 20, 18? *Schrank, Faun. Boic.* iii. 2438. *Ins. Austr.* 934. *Geoff. Ins.* ii. 509, 33. *Stew. El.* 258. *Turt.* iii. 604. *Lam. Anim. sans Verteb.* iii. 362, 9. *Latr. Gen. Crust.* iv. 343. Var. Echinomyia analis, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 16, *B.* Var. E. intermedia, *Desv. Essai Myod.* 47, 10. *Ann. Soc. Ent. France, 2me série*, ii. 16, *C.* Var. E. nigrofemorata, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 16, *D.* Var. E. rubricornis, *Desv. Essai Myod.* 46, 7. *Ann. Soc. Ent. France, 2me série*, ii. 16, *E.* Var. E. testacea, *Desv. Essai. Myod.* 48, 14. *Ann. Soc. Ent. France, 2me série*, ii. 17. Var. Tachina tessellata, *Fabr. Syst. Antl.* 309, 5. *Meig. Dipt.* iv. 242, 5. Musca tessellata, *Fabr. Ent. Syst.* iv. 324, 5. Echinomyia tessellata, *Desv. Essai Myod.* 47, 11. *Macq. Hist. Nat. Dipt.* ii. 73, 10.? *Zett. Dipt. Scand.* iii. 997, 6. Var. E. errans, *Desv. Essai Myod.* 45, 5. Var. E. vernalis, *Desv. Essai Myod.* 48, 12. Var. Tachina virgo, *Meig. Dipt.* iv. 243, 6. Echinomyia virgo, *Macq. Hist. Nat. Dipt.* ii. 73, 9. *Zett. Dipt. Scand.* iii. 995, 4. Var.? Echinomyia magnicornis, *Zett. Dipt. Scand.* iii. 996, 5. Var.? E. ferina, *Zett. Dipt. Scand.* iii. 998, 7. Var.? E. nigricornis, *Meig. Dipt.* vii. 182, 8.

a. England.
b. France.
c. Italy. From Dr. Leach's collection.
d. ——? From Mr. Children's collection.

TACHINA iterans, n. s. *Æneo picea, capite fulvo, thorace cano vittato, scutello ferrugineo, abdomine fulvo nigro vittato, antennis nigris, articulo 2º ferrugineo, pedibus nigris, femoribus tibiisque subtus ferrugineis, alis subcinereis basi subfulvis.*

Head pale tawny, darker, and including a pale ferruginous stripe between the eyes, beset above and in front with black bristles, clothed beneath with pale yellow hairs; epistoma very prominent; no bristles on the sides of the face: sucker black, clothed at the tip with short tawny hairs; palpi tawny, beset with black bristles: eyes red, slightly bronzed: feelers black, as long as the face; second joint mostly ferruginous; third joint much shorter than the second, extremely convex above, slightly convex beneath, almost truncated at the tip; bristle naked, stout, tapering, a little longer than the third feeler-joint, its first and second joints long, of nearly equal length: chest pitchy, with a slight brassy tinge, beset

with black bristles, adorned with hoary stripes; scutcheon ferruginous, tinged with a brassy brown hue: abdomen tawny, with some slight tawny reflections, adorned on the back with an irregular black stripe: legs black, clothed with black hairs and bristles; thighs and shanks dark ferruginous beneath; claws ferruginous, with black tips; foot-cushions pale tawny: wings pale gray, with a slight tawny tinge at the base; wing-ribs and veins tawny; veins pitchy at the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein very slightly curved outward along nearly the whole length; scales dingy white. Length of the body 4½ lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Sacontala, n. s. *Nigra, thoracis lateribus scutelloque ferrugineis, abdomine fulvo vitta dorsali nigra, pedibus fulvis, femoribus nigris, alis subcinereis.*

Head wanting: chest and breast black: chest clothed with black hairs, beset with black bristles; sides and scutcheon ferruginous; scutcheon armed with some black spines: abdomen tawny, with paler reflections along the sutures, clothed with black hairs, armed towards the tip with black spines, adorned on the back with a black stripe, which tapers from the base and disappears before the last segment: legs tawny, beset with black hairs and bristles; hips and thighs black: wings light gray; wing-ribs and veins tawny; cross-vein in the disk and tip cross-vein pitchy; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein very slightly curved outward along the whole length; scales dingy white, with pale tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. Nepaul. From the Hardwicke bequest.

TACHINA punctifera, n. s. *Cinereo-fulva, capite scutelloque fulvis, abdomine fulvo, albo micante vittaque nigra dorsali ornato, antennis ferrugineis, articulo 3° nigro, pedibus nigris, tibiis fulvis, alis subcinereis fusco binotatis.*

Head tawny, darkest above, closely covered with whitish shining down, beset with a few black hairs and bristles, thickly clothed beneath behind and on each side with yellow hairs; epistoma very prominent; no bristles on the sides of the face: sucker pitchy,

clothed towards the tip with short yellow hairs: eyes dark red: feelers dark ferruginous, as long as the face; third joint black, not much shorter than the second, extremely convex above, flat beneath, rounded at the tip: bristle black, stout, tapering, not much longer than the third feeler-joint, its first and second joints long, strongly marked, of equal length; first joint curved: chest and breast black, covered with grayish tawny bloom, clothed with black hairs: chest indistinctly striped, beset with black bristles; scutcheon tawny: abdomen tawny, nearly cylindrical, much longer than the chest, adorned with whitish reflections, clothed with black hairs, armed towards the tip with black spines; a black stripe on the back forms a triangular spot on each segment and occupies the whole breadth of the tip: legs black, clothed with black hairs and bristles; shanks dark tawny; foot-cushions pale tawny: wings light gray: wing-ribs and veins tawny; veins pitchy towards the tips; the little cross-vein in the disk and the lower end of the tip cross-vein clouded with brown; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved a little inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it has an outward curve; scales pale tawny. Length of the body 6 lines of the wings 10 lines.

a. Massachusetts. From Prof. Sheppard's collection.

TACHINA lurida, *Fabr. Syst. Antl.* 310, 6. *Meig. Dipt.* iv. 244, 8. T. leucocoma, *Meig. Dipt.* iv. 244, 9. Musca lurida, *Fabr. Sp. Ins.* ii. 441, 29. *Ent. Syst.* iv. 324, 52. *Gmel. Ed. Syst. Nat.* v. 2845, 205. Echinomyia lurida, *Macq. Hist. Nat. Dipt.* ii. 75, 14. *Ann. Soc. Ent. France, 2me série*, iii. 264, 11, *pl.* 4. *f.* 10. E. cuculliæ, *Desv. Essai Myod.* 49, 16. *Ann. Soc. Ent. France, 2me série*, ii. 195. E. lateralis, *Desv. Essai Myod.* 49, 15. E. leucocoma, *Macq. Hist. Nat. Dipt.* ii. 75, 15. *Ann. Soc. Ent. France, 2me série*, iii. 265, 13, *pl.* 4, *f.* 9.

a. England.
b. France.

TACHINA aberrans, n. s. *Cinerea, capite fulvo, thorace vittis quatuor nigris, pectore cano, scutello abdomineque ferrugineis, antennis fulvis articulo 3° piceo, pedibus fulvis? alis subfuscis.*

Head pale tawny, covered with a white lustre, beset with a few black bristles, thinly clothed with white hairs; epistoma slightly prominent; no bristles on the sides of the face: sucker pitchy, ferruginous, and clothed with tawny hairs towards the tip: eyes red, slightly bronzed: feelers tawny, as long as the face; third joint

with black bristles, adorned with hoary stripes; scutcheon ferruginous, tinged with a brassy brown hue: abdomen tawny, with some slight tawny reflections, adorned on the back with an irregular black stripe: legs black, clothed with black hairs and bristles; thighs and shanks dark ferruginous beneath; claws ferruginous, with black tips; foot-cushions pale tawny: wings pale gray, with a slight tawny tinge at the base; wing-ribs and veins tawny; veins pitchy at the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein very slightly curved outward along nearly the whole length; scales dingy white. Length of the body 4½ lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Sacontala, n. s. *Nigra, thoracis lateribus scutelloque ferrugineis, abdomine fulvo vitta dorsali nigra, pedibus fulvis, femoribus nigris, alis subcinereis.*

Head wanting: chest and breast black: chest clothed with black hairs, beset with black bristles; sides and scutcheon ferruginous; scutcheon armed with some black spines: abdomen tawny, with paler reflections along the sutures, clothed with black hairs, armed towards the tip with black spines, adorned on the back with a black stripe, which tapers from the base and disappears before the last segment: legs tawny, beset with black hairs and bristles; hips and thighs black: wings light gray; wing-ribs and veins tawny; cross-vein in the disk and tip cross-vein pitchy; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein very slightly curved outward along the whole length; scales dingy white, with pale tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. Nepaul. From the Hardwicke bequest.

TACHINA punctifera, n. s. *Cinereo-fulva, capite scutelloque fulvis, abdomine fulvo, albo micante vittaque nigra dorsali ornato, antennis ferrugineis, articulo 3º nigro, pedibus nigris, tibiis fulvis, alis subcinereis fusco binotatis.*

Head tawny, darkest above, closely covered with whitish shining down, beset with a few black hairs and bristles, thickly clothed beneath behind and on each side with yellow hairs; epistoma very prominent; no bristles on the sides of the face: sucker pitchy,

clothed towards the tip with short yellow hairs: eyes dark red: feelers dark ferruginous, as long as the face; third joint black, not much shorter than the second, extremely convex above, flat beneath, rounded at the tip: bristle black, stout, tapering, not much longer than the third feeler-joint, its first and second joints long, strongly marked, of equal length; first joint curved: chest and breast black, covered with grayish tawny bloom, clothed with black hairs: chest indistinctly striped, beset with black bristles; scutcheon tawny: abdomen tawny, nearly cylindrical, much longer than the chest, adorned with whitish reflections, clothed with black hairs, armed towards the tip with black spines; a black stripe on the back forms a triangular spot on each segment and occupies the whole breadth of the tip: legs black, clothed with black hairs and bristles; shanks dark tawny; foot-cushions pale tawny: wings light gray: wing-ribs and veins tawny; veins pitchy towards the tips; the little cross-vein in the disk and the lower end of the tip cross-vein clouded with brown; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved a little inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it has an outward curve; scales pale tawny. Length of the body 6 lines of the wings 10 lines.

a. Massachusetts. From Prof. Sheppard's collection.

TACHINA lurida, *Fabr. Syst. Antl.* 310, 6. *Meig. Dipt.* iv. 244, 8. T. leucocoma, *Meig. Dipt.* iv. 244, 9. Musca lurida, *Fabr. Sp. Ins.* ii. 441, 29. *Ent. Syst.* iv. 324, 52. *Gmel. Ed. Syst. Nat.* v. 2845, 205. Echinomyia lurida, *Macq. Hist. Nat. Dipt.* ii. 75, 14. *Ann. Soc. Ent. France, 2me série*, iii. 264, 11, *pl.* 4. *f.* 10. E. cuculliæ, *Desv. Essai Myod.* 49, 16. *Ann. Soc. Ent. France, 2me série*, ii. 195. E. lateralis, *Desv. Essai Myod.* 49, 15. E. leucocoma, *Macq. Hist. Nat. Dipt.* ii. 75, 15. *Ann. Soc. Ent. France, 2me série*, iii. 265, 13, *pl.* 4, *f.* 9.

a. England.
b. France.

TACHINA aberrans, n. s. *Cinerea, capite fulvo, thorace vittis quatuor nigris, pectore cano, scutello abdomineque ferrugineis, antennis fulvis articulo 3° piceo, pedibus fulvis? alis subfuscis.*

Head pale tawny, covered with a white lustre, beset with a few black bristles, thinly clothed with white hairs; epistoma slightly prominent; no bristles on the sides of the face: sucker pitchy, ferruginous, and clothed with tawny hairs towards the tip: eyes red, slightly bronzed: feelers tawny, as long as the face; third joint

pitchy, much shorter than the second, slightly convex above, flat beneath, obliquely truncated at the tip: chest gray, clothed with black hairs and bristles, adorned with four black stripes, middle pair of stripes slender, outer pair broader: breast hoary: scutcheon and abdomen ferruginous, with tawny reflections; scutcheon armed with a few long black bristles: abdomen obconical, clothed with short black hairs, and towards the tip with some black spines: legs tawny? wings pale brown; wing-ribs and veins tawny; veins pitchy towards the tips; cross-veins very slightly bordered with brown; tip cross-vein forming a hardly acute angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip; lower cross-vein straight for half the length, slightly curved outward from thence to the tip; scales white; poisers tawny. Length of the body 5½ lines; of the wings 10 lines.

a. ———?

Group XXV. Servillia, *Desv. Essai Myod.* 49.

TACHINA ursina, *Meig. Dipt.* iv. 245, 11. Musca fusca, albocincta, *Geoff.* Servillia ursina, *Desv. Essai Myod.* 50, 1. *Ann. Soc. Ent. France, 2me série*, ii. 22, 1. Var. S. pilosa, *Desv. Essai Myod.* 50, 2. Echinomyia ursina, *Macq. Hist. Nat. Dipt.* ii. 76, 18. *Ann. Soc. Ent. France, 2me série*, iii. 265, 12. Var. E. pilosa, *Macq. Dipt. Nord.* 184, 2. *Hist. Nat. Dipt.* ii. 76, 19. Var. E. subpilosa, *Macq. Dipt. Nord.* 184, 3. *Hist. Nat. Dipt.* ii. 76, 23. Servillia pilosa, *Meig. Dipt.* vii. 187, 5. S. subpilosa, *Meig. Dipt.* vii. 188, 6.

a. England.

Group XXVI. Eurithia, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 24.

TACHINA viridulans. Erigone puparum, *Desv. Essai Myod.* 67, 4. E. tesselans, *Desv. Essai Myod.* 67, 6. E. viridulans, *Desv. Essai Myod.* 68, 7. E. dubia, *Desv. Essai Myod.* 68, 8. Nemoræa viridulans, *Macq. Hist. Nat. Dipt.* ii. 101, 10. Eurithia puparum, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 25, 1.

a. England.

b. ———?

Group XXVII. Cuphocera, *Macq. Ann. Soc. Ent. France*, 2*me série*, iii. 265, 12.

Group XXVIII.

Third joint of the feelers deep, slightly increasing in depth from the base to the tip, where it is truncated, much longer than the second joint, but not near twice its length; bristle stout, tapering; second joint much longer than the first.

TACHINA speculifera, n. s. *Nigra, nitens, capite albo-hirto, thoracis vittis duabus scutelloque ferrugineis, pectore cinereo, abdominis apice cano, antennis pedibusque nigris illorum articulis 1° et 2° apice ferrugineis, alis cinereis.*

Body black, very shining: head covered in front with white down, thickly clothed behind and beneath with white hairs, beset above with black bristles; sides of the face fringed with bristles at the base; epistoma prominent; sucker pitchy, clothed at the tip with tawny hairs; eyes red, thickly covered with hoary down: feelers black, nearly as long as the face; first and second joints with ferruginous tips; third joint less than twice the length of the second, flat above, slightly deepening from the base to the tip, which is almost truncated; bristle tapering, about twice the length of the third feeler-joint, its second joint longer than the first: chest beset with very few black bristles, adorned with a ferruginous stripe along each side; scutcheon ferruginous; breast gray: abdomen clothed with black hairs, armed with black spines towards the tip, each side of which is adorned with hoary reflections: legs black, clothed with black hairs, armed with black spines and bristles; claws ferruginous at the base; foot-cushions pale tawny: wings gray; wing-ribs and veins pitchy; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, very slightly curved inward at the base, straight from thence to the tip, joining the border at a short distance above the tip; lower cross-vein with two very slight curves, the lower inward, the other outward and very indistinct; scales dingy white. Length of the body 4 lines; of the wings 10 lines.

a. North America. Presented by the Entomological Club.

Group XXIX.

Third joint of the feelers longer than the second, very convex above, flat beneath, rounded at the tip; second joint of the bristle twice the length of the first.

TACHINA Ampelus, n. s. *Nigra, capite argenteo, thoracis vittis quinque canis, scutelli margine postico rufo, abdomine cano micante, apice rufo, antennis pedibusque nigris, alis subcinereis.*

Body black: head covered with a silvery bloom, tawny about the mouth, beset with black hairs and bristles, clothed behind and beneath with white hairs; sides of the face fringed with bristles at the base; epistoma very prominent; sucker black, clothed at the tip with tawny hairs; palpi tawny: eyes red, thickly clothed with tawny down: feelers black, nearly as long as the face; third joint longer than the second, very convex above, flat beneath, rounded at the tip; bristle naked, rather stout, though tapering from the base to more than half the length; second joint long, twice the length of the first: chest clothed with black hairs and bristles, adorned with five indistinct hoary stripes; scutcheon armed with long black spines, dark red along the hind border: abdomen covered with black hairs and with a few black spines, adorned with hoary reflections; last segment red, shining: legs black, clothed with black hairs and bristles; claws towards the base and foot-cushions tawny: wings light gray: wing-ribs and veins pitchy; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward along its whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales dingy white. Length of the body 4 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group XXX.

Third joint of the feelers full as long as the second, flat above, slightly convex beneath, deepening from the base to the tip, which is truncated; second joint of the bristle longer than the first.

TACHINA degenera, n. s. *Nigra, capite antico flavo pubescente, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head tawny about the mouth, covered in front with pale yellow down, beset above with a few black bristles, clothed beneath with some pale yellow hairs; sides of the face fringed with bristles at the base; epistoma very prominent: sucker black, dark ferruginous and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: eyes dark red, not hairy: feelers black, nearly as long as the face: third joint full as long as the second, flat above, slightly convex be-

neath, deepening from the base to the tip, which is truncated; bristle naked, its second joint of moderate length, longer than the first: scutcheon and abdomen towards the tip armed with some long black spines: legs black, clothed with black hairs and bristles; claws ferruginous at the base; foot-cushions pale yellow: wings slightly gray; wing-ribs and veins pitchy; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a very short stump beyond it, much curved inward, straight towards the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower distinct and inward, the other outward and hardly perceptible; scales dingy white. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Div. B. Anthophilæ, *Desv. Essai Myod.* 51.

Group I.

Third joint of the feelers nearly linear, slightly concave above, flat beneath, twice or almost twice the length of the second joint; second joint of the bristle short, but longer than the first; middle legs long.

TACHINA Anthemon, n. s. *Fulva, thorace cinereo, abdominis apice nigro, antennis fulvis articulo 3° ferrugineo, pedibus fulvis, alis fusco-fulvis.*

Head tawny, partly covered with white shining down; borders of the cavity between the eyelets and the feelers gray, and beset with black bristles; head elsewhere beset with a few black bristles, paler and clothed with some white hairs beneath; epistoma not prominent; sides of the face fringed with bristles for one-third of the length from the base: sucker tawny, thinly clothed with pale yellow hairs; palpi tawny, beset with black bristles: eyes red, covered with whitish down; facets on the fore part rather larger than those elsewhere: feelers tawny, shorter than the face; third joint ferruginous, slender, almost linear, slightly concave above, flat beneath, rounded at the tip, about twice the length of the second joint; bristle black, tawny at the base, tapering, more than twice the length of the third feeler-joint, its second joint short, but longer than the first: chest and breast gray; chest beset with black bristles; sides tawny, and clothed like the breast with short tawny hairs; scutcheon covered

with white down and beset with black bristles: abdomen pale tawny, beset with black bristles, these are mostly towards the tip, which is black: legs pale tawny, rather long, especially the middle pair, beset with black bristles; tips of the claws black; foot-cushions yellow: wings brownish tawny, rather darker along the borders of the veins; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a stump beyond it, very slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper outward and more distinct; scales pale yellow; poisers tawny. Length of the body 7 lines; of the wings 14 lines.

a. Brazil. From Mrs. Noel's collection.

TACHINA Amisias, n. s. *Fulva, thorace flavo-fusco vittis quinque nigris, abdominis apice nigro, antennis fulvis articulo 3° nigro, pedibus fulvis, alis subfuscis.*

Head tawny, covered with pale yellow down, beset with a few black bristles, more thickly clothed beneath with yellow hairs; cavity between the eyelets and the feelers brown, its borders grayish tawny and beset with black bristles; epistoma not prominent; sides of the face fringed with bristles for one-third of the length from the base; sucker tawny, clothed with a few yellow hairs; palpi tawny, beset with black bristles: eyes red, with a slight brassy tint, clothed with pale yellow down: feelers tawny, shorter than the face; third joint black, nearly linear, deeper than that of *T. Anthemon*, very slightly concave above, flat beneath, rounded at the tip, almost twice the length of the second joint; bristle black, tapering, much more than twice the length of the third feeler-joint, its second joint short, but not longer than the first: chest yellowish brown, adorned with five interrupted black stripes, beset with black bristles; scutcheon tawny; breast tawny, covered with a hoary bloom, clothed with short yellow hairs: abdomen pale tawny, beset with black bristles, these are mostly towards the tip, which is black: legs pale tawny, rather long, especially the middle pair, beset with black bristles; tips of the claws black; foot-cushions yellow: wings light brown; wing-ribs tawny; veins pitchy; tip cross-vein, like that of the preceding species, forming a very slightly obtuse angle with the fourth longitudinal vein; lower cross-vein with two curves, the lower inward, shorter and more distinct than the upper, which is outward; scales brown; poisers tawny. Length of the body 5 lines; of the wings 11 lines.

a. ——— ? From Mr. Children's collection.

Group II. Linnæmyia, *Desv. Essai Myod.* 52.

TACHINA Titan, n. s. *Nigra, scutello nigro-ferrugineo, abdomine ferrugineo, nigro vittato, antennis fulvis, articulo 3° nigro, pedibus nigris, alis subcinereis basi et ad costam fulvis, venis fusco nebulosis.*

Body deep black: head slightly covered with ferruginous bloom, beset with black hairs and bristles; epistoma slightly prominent; face dull tawny, its sides fringed with bristles along one-third of the length from the base; sucker black, ferruginous, and clothed with tawny hairs at the tip; palpi deep tawny, beset with black bristles: eyes pitchy: feelers deep tawny, much shorter than the face; third joint black, linear, slender, rounded at the tip, longer than the second; bristle black, slender, downy, tapering from the base to the tip, full thrice the length of the third joint; its second joint of moderate length, longer than the first: chest and breast very thickly clothed with black hairs and bristles; scutcheon very dark ferruginous with slight tawny reflections, beset with black bristles: abdomen ferruginous, clothed with short black hairs, and on each side towards the tip with longer black hairs, beset with black bristles, which are mostly towards the tip, adorned with a black stripe, which decreases in breadth from the base to the tip: legs black, clothed with black hairs and bristles; claws and foot-cushions tawny; tips of the claws black: wings light gray, bright tawny towards the base and along the fore borders for half the length; wing-ribs ferruginous; veins tawny, pitchy, and distinctly bordered with brown in the gray part of the wing; tip cross-vein forming a right angle with the fourth longitudinal vein, very slightly curved outward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, straight from thence to the tip, where it is very slightly curved outward; scales dingy white. Length of the body 10 lines; of the wings 22 lines.

a. Silhet.

TACHINA vulpina, *Fall. Musc.* 23, 47, *Meig. Dipt.* iv. 260, 35. *Zett. Dipt. Scand.* iii. 1087, 84. Linnæmyia sylvestris, *Desv. Essai Myod.* 53, 2. L. vulpina, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 30, 1. Var.? L. ænanthis, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 33, 3. Bonnetia ænanthis, *Desv. Essai Myod.* 56, 2. Micropalpus vulpinus, *Macq. Hist. Nat. Dipt.* ii. 81, 2. *Ann. Soc. Ent. France, 2me série*, iii. 270, 1, *pl.* 5, *f.* 1. *Meig. Dipt.* vii. 217, 2, *pl.* 70, *f.* 18. Musca investigator? *Harr. Ex.* 35, *pl.* 9, *f.* 3.

a. England.
b. ———?

TACHINA fulgens, *Meig. Dipt.* iv. 259, 34, *pl.* 41, *f.* 23. *Zett. Dipt. Scand.* iii. 1096, 93. Linnæmyia Heraclæi, *Desv. Essai Myod.* 53, 3. *Ann. Soc. Ent. France, 2me série*, ii. 31, 2. L. analis, *Desv. Essai Myod.* 54, 4. L. borealis, *Desv. Essai Myod.* 54, 7. L. æstivalis, *Desv. Essai Myod.* 54, 6. Micropalpus Heraclæi, *Macq. Dipt. Nord.* 181, 3. *Hist. Nat. Dipt.* ii. 81, 3. *Meig. Dipt.* vii. 219, 14. M. analis, *Macq. Hist. Nat. Dipt.* ii. 82, 4. M. borealis, *Macq. Dipt. Nord.* 182, 4. *Hist. Nat. Dipt.* ii. 82, 5. *Meig. Dipt.* vii. 220, 15. M. fulgens, *Macq. Hist. Nat. Dipt.* ii. 83, 10. *Meig. Dipt.* vii. 217, 1, *pl.* 7, *f.* 12—14.

a. England.
b. France.

TACHINA Orbilius, n. s. *Plumbea, capite cano micante maculisque duabus rufis ornato, abdomine nigro-æneo, palpis fulvis, antennis ferrugineis, articulo 3º nigris basi ferrugineo, pedibus ferrugineis, tarsis nigris, alis albidis basi subfulvis.*

Body black: head covered with hoary lustre, thinly clothed with black hairs, beset with black bristles: a large red spot on each side of the face, which has a broad tawny border, and is fringed with bristles on each side of the base; epistoma slightly prominent: eyes dark red, hairy: sucker ferruginous, clothed with short tawny hairs; palpi tawny, beset with a few black bristles: feelers ferruginous, a little shorter than the face; third joint black, ferruginous at the base, about twice the length of the second joint, nearly linear, but slightly decreasing in depth from the base to the tip, which is rounded; bristle black, about twice the length of the third feeler-joint, its second joint hardly twice the length of the first; third joint stout for about one-third of its length, very slender from thence to the tip: chest and breast covered with a bluish gray bloom, clothed with black hairs: abdomen brassy, clothed with short black hairs, beset with black bristles: legs ferruginous, clothed with black hairs and bristles; shanks darker than the thighs; feet black; claws tawny at the base; foot-cushions dingy white: wings whitish, slightly tawny at the base; wing-ribs and veins tawny; veins black towards the tips; little cross-vein in the disk angular, clouded with brown; lower cross-vein slightly curved near the base, almost straight from thence to the tip; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, having an indistinct inward curve near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; scales dingy white, bordered with yellow; poisers pale tawny. Length of the body 4 lines; of the wings 8 lines.

a. England.

TACHINA Mesula, n. s. *Cana, capite antico fulvo, abdominis maculis duabus fulvis, segmentorum marginibus posticis nigris, palpis fulvis, antennis pedibusque nigris, tibiis fulvis, alis limpidis ad costam spinosis.*

Body black, mostly covered with hoary bloom: head tawny in front, clothed behind and beneath with black hairs, beset with a few black bristles, but having none along the sides of the face; epistoma slightly prominent: eyes dark red, not hairy: sucker pitchy, clothed at the tip with short pale hairs; palpi very slender, tawny, beset with black bristles: feelers black, as long as the face; third joint about thrice the length of the second, a little increasing in depth from the base to the tip, which is truncated; bristle black, stout till near the tip, much longer than the third feeler-joint, its second joint long, full twice the length of the first: chest and breast gray, clothed with black hairs and bristles: abdomen obconical, hoary, clothed with black hairs, armed with black spines, much longer than the chest; hind borders of the segments black; a large tawny spot on each side of the second segment: legs black, clothed with black hairs and bristles; shanks tawny: foot-cushions tawny: wings colourless, each with a spine on the fore border; wing-ribs tawny; veins black, yellow at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight till near the tip, where it has a slight inward curve, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight, but having a very slight inward curve a little below the middle; scales dingy white, with yellow borders; poisers tawny. Length of the body 4 lines; of the wings 7 lines

a. England.

Group III. Bonellia, *Desv. Essai Myod.* 56.

TACHINA picea, *Megerle, Meig. Dipt.* iv. 246, 12. Bonellia tessellans? *Desv. Essai Myod.* 56, 1. T. lateralis, mas.? *Desv. Essai Myod.* 57, 2. Micropalpus tessellans? *Macq. Hist. Nat. Dipt.* ii. 82, 6. *Meig. Dipt.* vii. 219, 13.

a. England.

TACHINA rubiginosa. Bonellia rubiginosa, *Desv. Essai Myod.* 57, 3. Micropalpus rubiginosus, *Macq. Dipt. Nord.* 182, 6. *Hist. Nat. Dipt.* ii. 83, 7. *Meig. Dipt.* vii. 219, 12.

a. England.

Note.—The definitions as groups of all the following described species of Tachina are comprised in the specific characters.

minent: sucker black, clothed at the tip with short tawny hairs: eyes red, with a brassy tinge, not hairy: feelers ferruginous, very short, half the length of the face; third joint nearly elliptical, longer than the second, but not much deeper; bristle black, tapering, stout near the base, very slender towards the tip, more than twice the length of the third feeler-joint, its first and second joints of moderate and equal length: chest and breast dark gray: chest clothed with black hairs and bristles; sides slightly ferruginous; scutcheon ferruginous: abdomen tawny, rather long and narrow, nearly cylindrical, tapering towards the tip, thinly beset with short black bristles, armed on the sides of the hind borders of the segments and at the tip with black spines, black at the base, and having an interrupted black stripe from the middle to the tip of the back: legs tawny, clothed with black hairs, beset with black bristles; feet black; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins pitchy; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a short stump beyond it, very slightly curved along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward and very distinct, the other outward and very slight: scales pale tawny. Length of the body 5½ lines; of the wings 10 lines.

a. New Zealand. Presented by Dr. A. Sinclair.

Group VI.

TACHINA Scotinus, n. s. *Cinerea, capite antico ferrugineo, abdominis lateribus canis, antennis pedibusque nigris, alis subcinereis basi et ad costam subfuscis.*

Body gray: head beset with black hairs and bristles, somewhat ferruginous in front; face white, its sides fringed with bristles: epistoma slightly prominent: eyes red: feelers black, as long as the face; third joint very long, full four times the length of the second, hardly concave above, more convex beneath, obliquely truncated at the tip; bristle stout for about two-thirds of its length, very slender from thence to the tip, its second joint very long, full twice the length of the first: chest clothed with black hairs, beset with long black bristles: abdomen cylindrical, rather narrow, much longer than the chest, beset with black hairs and bristles: wings slightly gray, with a brown tinge at the base and along the fore borders: wing-ribs pitchy: veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a short distance above

the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; poisers dingy white. Length of the body 5½ lines; of the wings 9 lines.

a. ——? From Mr. Children's collection.

Group VII.

TACHINA potans, *Wied. Auss. Zweif.* ii. 299, 32.
a. China.

TACHINA Melobosis, n. s. *Nigra, facie abdominisque segmentorum marginibus anticis canis, palpis antennis pedibusque nigris, alis cinereis, nervulo transverso nebuloso.*

Body black, clothed with black hairs and bristles: head ferruginous on each side of the epistoma, clothed beneath with hoary hairs; face covered with hoary bloom, its sides completely fringed with bristles; epistoma tawny, not prominent: eyes pitchy, hairy: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi black, slender, beset with black bristles: feelers black, as long as the face; third joint linear, nearly six times the length of the second, almost truncated at the tip; bristle not longer than the third joint, its second joint more than twice the length of the first; third joint rather stout though tapering from the base to the tip: abdomen obconical, shining, a little longer than the chest, adorned with bands of hoary lustre along the fore borders of the segments: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs dark tawny; veins black; little cross-vein clouded with brown; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward along the whole length, joining the border a very little above the tip of the wing and close to the third longitudinal vein; lower cross-vein almost straight, but with an indistinct inward curve; scales dingy white, with yellow borders. Length of the body 2 lines; of the wings 4 lines.

a. Florida. Presented by E. Doubleday, Esq.

TACHINA Admete, n. s. *Nigra, capite abdomineque canis, hujus basi segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with white lustre, which in some aspects assumes a tawny hue, clothed behind and beneath with hoary hairs; epistoma slightly prominent; sides of the face completely fringed with black bristles;

a black stripe from the eyelets to the base of the feelers: eyes pitchy, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, nearly as long as the face; third joint not much longer than the second, flat above: very slightly convex beneath, truncated at the tip; bristle much longer than the third joint, its second joint more than twice the length of the first; third joint rather stout, though tapering for half its length, very slender from thence to the tip: abdomen obconical, rather narrow, very much longer than the chest; third and following segments hoary, with the exception of the hind borders and a stripe on the back: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein which projects some distance beyond it, very slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower large and inward, the other outward and more slight; scales dingy white, bordered with yellow. Length of the body 4½ lines; of the wings 9 lines.

a. England.

TACHINA ——— ? Head wanting.
a. England.

TACHINA Pamesos, n. s. *Cinerea, capite albo, abdomine cano micante, segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris, alis subcinereis ad costam spinosis.*

Body black, covered with black hairs and bristles: head covered with white bloom, excepting a black stripe between the eyelets and the base of the feelers, clothed beneath with hoary hairs; a tawny tinge on the sides of the crown; epistoma yellow, not prominent; sides of the face fringed with bristles for one-fourth of the length from the base: eyes coppery, not hairy: sucker black, clothed at the tip with tawny hairs: palpi tawny, slender, beset with black bristles: feelers black, about three-fourths of the length of the face; third joint a little longer than the second, flat above, convex beneath, very obliquely truncated at the tip; bristle more than twice the length of the third joint, its second joint short, but longer than the first; third joint stout for more than one-third of its length, very slender from thence to its tip; scutcheon armed with some long black spines: abdomen obconical, a little longer than the chest, beset with black spines, adorned with hoary reflections, which are interrupted on the hind borders of the segments and by a stripe on the

back: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings light gray; wing-ribs pitchy; veins black, pitchy at the base; a spine on the fore border of the wing; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, which is unusually distant from the tip of the wing, very slightly curved inward, but here and there waving and in some parts straight, joining the border at some distance above the tip of the wing; lower cross-vein straight, very far from the wing-border; scales white, with yellow borders. Length of the body 3 lines; of the wings 5 lines.

a. England.

Div. C. Microceratæ, *Desv. Essai Myod.* 58.

Group I. Crameria, *Desv. Essai Myod.* 59.

Group II. Ernestia, *Desv. Essai Myod.* 60.

TACHINA Leocrates, n. s. *Cinerea, capite cano, abdomine fulvo vitta dorsali nigra, palpis fulvis, antennis ferrugineis, articulo 3° piceo, pedibus nigris, alis subfuscis.*

Body black, clothed with black hairs and bristles: head partly covered with hoary down; sides of the face fringed with bristles at the base; epistoma prominent: sucker black, clothed at the tip with tawny hairs; palpi tawny: eyes red, hairy: feelers dark ferruginous, much shorter than the face; third joint pitchy, flat above, slightly rounded at the tip, shorter than the second joint: chest and breast gray, thinly beset with black bristles; scutcheon armed with long black spines, tawny on the hind border: abdomen tawny, clothed with black hairs, armed with some black spines, which are mostly towards the tip, adorned with a black stripe on the back: legs black, clothed with black hairs and bristles: wings light brown; wing-ribs and veins tawny: veins pitchy towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, nearly straight, joining the border very near the third longitudinal vein and a little above the tip of the wing; lower cross-vein with two curves, the lower inward, the other outward; scales brown. Length of the body 4 lines; of the wings 7 lines.

a. South Africa. Presented by Dr. A. Smith.

stripe between the eyelets and the feelers; underside clothed with hoary hairs; sides of the face fringed with bristles along one-third of the length from the base; epistoma not prominent: eyes red, not hairy: sucker black, clothed at the tip with pale tawny hairs; palpi tawny, beset with black bristles: feelers black, shorter than the face; second joint gray; third joint much longer than the second, flat above, slightly convex beneath, truncated at the tip; bristle full twice the length of the third joint, its second joint more than twice the length of the first; third joint stout for one-third of the length from the base, very slender from thence to the tip: chest adorned with three indistinct black stripes: scutcheon and abdomen armed with black spines: abdomen obconical, a little longer than the chest; segments grayish tawny for half the length from the base: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings light gray; wing-ribs dark tawny; veins black; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very indistinct curves, the lower inward, the upper outward. Length of the body 2¾ lines; of the wings 5 lines.

a. England.

TACHINA trepida, *Meig. Dipt.* iv. 300, 106. *Zett. Dipt. Scand.* iii. 1025, 14. Plagia trepida, *Meig. Dipt.* vii. 201, 3.
a. England.

TACHINA opaca? *Meig. Dipt.* iv. 313, 128.
a. England.

TACHINA Dydas, n. s. *Nigro-cinerea, capite argenteo, vertice fulvo thorace vittis tribus nigris, abdominis segmentorum marginibus anticis fulvo micantibus, palpis fulvis, antennis pedibusque nigris, alis cinereis.*

Body black, slightly covered with gray bloom, clothed with black hairs and bristles, the latter especially long and stout on the scutcheon and on the abdomen: head thickly clothed behind and beneath with hoary hairs, adorned in front with silvery lustre, tawny on the crown, where there is a pitchy stripe from the eyelets to the feelers; sides of the face fringed with bristles; epistoma slightly prominent: eyes pitchy, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face: tip of the second joint ferruginous; third joint very much longer than the second, flat above,

rather deep, slightly convex beneath near the tip, which is truncated; bristle rather longer than the feeler; its second joint full twice the length of the first: third joint rather stout for near half its length, very slender from thence to the tip: chest adorned with three black stripes: abdomen adorned with pale tawny reflections on the fore borders of the segments, and especially on each side: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs pitchy; veins black; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the fore border at some distance above the tip of the wing: lower cross-vein indistinctly curved inward; scales light gray, with yellow borders. Length of the body 3¼ lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHINA ——? Erigone viridulans? *Desv. Essai Myod.* 68, 7.
a. France?

TACHINA radicum, *Meig. Dipt.* iv. 249, 18. *Zett. Ins. Lapp.* 142, 35. *Dipt. Scand.* iii. 1113, 109. Musca radicum, *Fabr. Ent. Syst.* iv. 326, 60. *Syst. Antl.* 300, 82. Tachina lurida, *Fall. Musc.* 26, 54.
a. England.

TACHINA nitida, *Zett. Ins. Lapp.* 646, 52. *Dipt. Scand.* iii. 1180, 183. T. atrata, *Meig. Dipt.* iv. 270, 52.
a. England.

TACHINA Amphiro, n. s. *Nigra, facie fulva vittis duabus piceis, scutello ferrugineo, palpis antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head clothed beneath with pale tawny hairs; epistoma yellow, not prominent: face tawny, with two pitchy stripes corresponding to the feelers, its sides fringed with bristles for one-third of the length from the base: eyes red, hairy: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint nearly linear, rather deep, more than four times the length of the second, slightly concave above, truncated at the tip; bristle longer than the third joint, its second joint longer than the first; third joint tapering, stout for more than half its length: scutcheon dark ferruginous, armed with very long spines: abdomen obconical, not longer than the chest: legs black, clothed with black

hairs and bristles; foot-cushions yellow: wings nearly colourless: wing-ribs dark tawny; veins black, yellow at the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, a little curved inward from the base to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein nearly straight; scales white, with yellow borders. Length of the body 3½ lines; of the wings 6 lines.

a. England.

TACHINA Pagasus, n. s. *Nigro-cinerea, facie fulva, vittis duabus nigris, thorace vittis quatuor fulvis, abdomine flavo-cinereo, micante, basi segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris illorum articulo 2º tibiisque piceis, alis subcinereis basi subfulvis ad costam spinosis.*

Body grayish black, clothed with black hairs and bristles: head thickly clothed behind and beneath with hoary hairs; face yellow with two black stripes, corresponding to the feelers; a ferruginous stripe along each of its sides, which is fringed with bristles for one-fourth of its length from the base; epistoma yellow, not prominent; a pitchy stripe between the eyelets and the feelers: eyes red, not hairy: sucker black, clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, a little shorter than the face, slightly covered with hoary bloom; second joint pitchy, ferruginous at the tip; third joint nearly linear, much longer than the second, rounded at the tip; bristle less than twice the length of the third joint, its second joint longer than the first; third joint very stout for full one-third of its length, slender from thence to the tip: chest covered with gray bloom, adorned with four dull tawny stripes: abdomen elliptical; second and following segments covered with yellowish gray lustre, their hind borders black, as is also a stripe on the back: legs black, clothed with black hairs and bristles; shanks pitchy; foot-cushions bright tawny: wings slightly gray, with a tawny tinge at the base; a spine on the fore border of each wing; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein which has a stump beyond it, curved inward near the base, straight from thence to the tip, which joins the border very near the third vein and a long way above the tip of the wing; lower cross-vein straight at both ends, but having a long inward curve in the middle; scales yellow. Length of the body 3½ lines; of the wings 7 lines.

a. ——— ?

TACHINA Philonis, n. s. *Cinerea, capite albo micante, thorace vittis quatuor canis, abdomine cano vario, palpis fulvis, antennis pedibusque nigris, alis subcinereis ad costam spinosis.*

Body dark gray, clothed with black hairs and bristles: head covered with white lustre, thickly clothed behind and beneath with whitish hairs, having a tawny hue on each side of the crown, the middle part being occupied by a black stripe between the eyelets and the feelers; face gray, no bristles along its sides except at the base; epistoma not prominent: eyes red, not hairy: sucker black, pitchy, and clothed with pale tawny hairs towards the tip; palpi tawny, slender, beset with black bristles: feelers black, as long as the face; third joint much longer than the second, very slightly concave above, slightly convex beneath, truncated at the tip; bristle full twice the length of the third joint, its first joint extremely short, second joint moderately long; third joint stout for one-third of the length, slender from thence to the tip: chest adorned with four indistinct hoary stripes; sides and scutcheon hoary: scutcheon and abdomen armed with spines: abdomen black, nearly elliptical, a little longer than the chest; second segment with a large hoary triangular spot on each side; third segment hoary, with the exception of the hind border and of an imperfect stripe in the middle; fourth segment hoary towards the base: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; a bristle on the fore border of each wing; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly and irregularly curved inward from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it is very slightly curved outward; scales white, with yellow borders. Length of the body 4 lines; of the wings 7 lines.

a. England.

TACHINA Nymphidius, n. s. *Cinerea, capite plumbeo pilis albis subtus hirtissimo, thoracis vittis tribus nigris, scutello abdomineque canis, hujus segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned with bluish white lustre, thickly clothed behind and beneath with whitish hairs, tawny on each side of the crown, the middle part being occupied by a pitchy stripe between the eyelets and the feelers: sides of the face fringed with bristles; peristoma tawny; epistoma not prominent: eyes red, not hairy: sucker black, pitchy, and clothed with tawny hairs at the tip;

curved along the whole length, joining the border a little above the tip of the wing; lower cross-vein nearly straight, but very slightly waving; scales dingy. Length of the body 2¼ lines; of the wings 4½ lines.

a. North America. Presented by the Entomological Club.

TACHINA Pyste, n. s. *Cinerea, capite albo micante, abdomine cano micante basi segmentorum marginibus posticis vittaque dorsali nigris, palpis antennisque fulvis, horum articulo 3° piceo, pedibus nigris, femoribus piceis, alis subcinereis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned in front with white silky lustre, clothed beneath with hoary hairs; a ferruginous stripe between the eyelets and the feelers; sides of the face without bristles; epistoma not prominent: sucker black, pitchy, and clothed with tawny hairs at the tip; palpi tawny, short, beset with black bristles: eyes brassy, hairy: feelers tawny, as long as the face; third joint pitchy above and at the tip, much longer than the second joint, slightly convex above, flat and downy beneath, somewhat rounded at the tip; bristle black, nearly twice the length of the third joint, its first joint obsolete; second joint very short; third joint rather stout for one-fourth of the length, very slender from thence to the tip: abdomen nearly oval, not longer than the chest; first segment black; second and following segments varied with hoary lustre, which prevails chiefly along the fore borders of the segments, and is interrupted on the hind borders, and by a black stripe on the back, and by a black space round the base of each bristle: legs black, clothed with black hairs and bristles; thighs and foot-cushions pitchy: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly covered along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, longer than the other which is outward; scales white, with pale yellow borders. Length of the body 2 lines; of the wings 4 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Ambivius, n. s. *Nigro-cinerea, capite plumbeo, abdomine fasciis latis subinterruptis canis, palpis antennisque piceis, pedibus nigris, alis sublimpidis.*

Body black, slightly covered with gray bloom, clothed with black hairs and bristles: head covered with bluish gray lustre, having a hoary stripe between the eyelets and the feelers, and a ferru-

ginous band on each side from the eyes to the epistoma, which is yellow and slightly prominent; sides of the face fringed with bristles: eyes red, not hairy: palpi pitchy, beset with black bristles: feelers pitchy, nearly as long as the face; third joint much longer than the second, very slightly convex above and beneath, obliquely truncated at the tip; bristle not much longer than the third joint, its second joint more than twice the length of the first; third joint tapering from the base to the tip: abdomen obconical, a little shorter than the chest, adorned along the fore borders of the segments with broad bands of hoary lustre, which are partly interrupted by a black stripe on the back: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings nearly colourless; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, nearly straight, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with yellow borders. Length of the body 2¼ lines; of the wings 5 lines.

a. England.

TACHINA Titormus, n. s. *Cinerea, abdomine cinereo-fulvo, palpis fulvis, antennis ferrugineis articulo 3° nigro, pedibus fulvis, tarsis nigris, alis subcinereis.*

Body black, covered with gray bloom, clothed with black hairs and bristles; a pitchy stripe between the eyelets and the feelers; sides of the face without bristles, except at the base; epistoma tawny, slightly prominent: eyes dark red, hairy: sucker black, ferruginous, and clothed with pale tawny hairs at the tip; palpi tawny, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint black, ferruginous at the base, a little longer than the second joint, its length hardly twice its breadth, very slightly convex above, beneath, and at the tip; bristle much more than twice the length of the third joint, its second joint long, more than twice the length of the first; third joint stout for about one-fourth of its length, very slender from thence to the tip: abdomen obconical, not longer than the chest, covered with dark grayish tawny bloom, very thinly clothed with hairs and bristles: legs tawny; feet and claws black; foot-cushions tawny: wings light gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, shorter, and more distinct than the

other, which is outward; scales yellowish, with yellow borders. Length of the body 4 lines; of the wings 7 lines.

a. England.

TACHINA ——— ?

Third joint slender, nearly linear, much longer than the second, but not twice its length, flat above, slightly concave beneath, almost truncate at the tip; bristle naked, thick for less than one-third of its length from the base, very slender from thence to the tip; first and second joints very short.

a. England.

Group VII. Panzeria, *Desv. Essai Myod.* 68.

Group VIII. Meriania, *Desv. Essai Myod.* 69.

TACHINA strenua? *Meig. Dipt.* iv. 249, 17. *Zett. Dipt. Scand.* iii. 1101, 98. Nemoræa strenua, *Macq. Hist. Nat. Dipt.* ii. 192, 14. *Meig. Dipt.* vii. 221, 12. Meriania silvatica? *Desv. Essai Myod.* 70, 1.

TACHINA bombylans? Meriania bombylans? *Desv. Essai Myod.* 70.

Third joint nearly linear, almost twice the length of the second joint, very slightly concave above, and equally convex beneath, hardly rounded at the tip; bristle naked, rather thick towards the base; first and second joints very short.

a. England.

Group IX. Nemoræa, *Desv. Essai Myod.* 71.

TACHINA Thyamis, n. s. *Nigra, capite albo, abdominis segmentorum marginibus posticis utrinque ferrugineis, palpis antennis pedibusque nigris, tibiis ferrugineis, alis subcinereis.*

Body black, beset with black hairs and bristles: head covered with white bloom; a pitchy stripe fringed with bristles between the eyelets and the feelers; sides of the face without bristles; epistoma not prominent: eyes pitchy, not hairy: sucker and palpi black: feelers black, almost as long as the face; third joint linear, rounded

at the tip, nearly twice the length of the second; bristle much longer than the third joint, its first joint very short; second joint long, more than twice the length of the first; third joint very stout for full one-third of its length, slender from thence to the tip: abdomen obconical, shining, a little longer than the chest; hind borders of the segments ferruginous on each side: legs black, clothed with black hairs and bristles; shanks ferruginous; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming with the fourth longitudinal vein an obtuse angle, which is near to the border of the wing, very slightly curved inward along its whole length, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales yellowish, with darker borders. Length of the body 3½ lines; of the wings 7 lines.

a. ———? From Mr. Children's collection.

TACHINA Clesides, n. s. *Fusco-cinerea, subænea, palpis antennisque nigris, horum articulo 3° basi ferrugineo, pedibus nigris, alis subcinereis basi subflavis.*

Body black, with a slight brassy tinge, especially on the abdomen, covered with brownish gray down, very thickly beset with long stout black bristles: head dull; sides of the face fringed with bristles; epistoma not prominent: sucker black, clothed towards the tip with short tawny hairs; palpi black: eyes pitchy, not hairy: feelers black, very short, about half the length of the face; third joint ferruginous at the base, nearly linear, flat above, slightly convex beneath, truncated at the tip, about twice the length of the second joint: first and second joints of the bristle very short; third joint rather thick for about one-third of its length, slender from thence to the tip: chest and abdomen slightly shining: abdomen nearly elliptical, much longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray, with a yellowish tinge at the base; wing-ribs tawny; veins pitchy; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, united with the third longitudinal vein before the tip of the latter, which joins the wing-border at some distance above its tip; lower cross-vein very slightly waving; scales pale yellow. Length of the body 3 lines; of the wings 5 lines.

a. North America. Presented by the Entomological Club.

TACHINA Enarette, n. s. *Cana, capite antico ferrugineo, scutello abdomineque fulvis, huic vitta nigra, palpis antennisque fulvis, horum articulo 3° piceo, pedibus nigris, alis limpidis basi subflavis.*

Head covered with a hoary bloom, black above, tawny in front; a ferruginous stripe on the crown, widening from the eyelets to the base of the feelers; epistoma yellow, very prominent; sides of the face fringed with hairs at the base: sucker pitchy; palpi tawny: eyes red, not hairy; feelers tawny, very short, hardly more than half the length of the face; third joint pitchy, tawny at the base, flat above, convex beneath, truncated at the tip, much longer than the second joint; bristle black, downy, tapering, tawny at the base, about thrice the length of the third feeler-joint; its first and second joints short, of equal length: chest covered with hoary down, thickly beset with black bristles; scutcheon tawny: abdomen not much longer than the chest, tawny, covered with hoary bloom, clothed with black hairs, beset towards the tip with black bristles, adorned with a black stripe along the back: legs black, clothed with black hairs and bristles: wings colourless, with a yellowish tinge towards the base; wing-ribs and veins tawny; tip cross-vein nearly straight, joining the longitudinal vein a little before the tip of the wing; lower cross-vein with two curves, the lower inward, the upper outward; scales white. Length of the body 4 lines; of the wings 8 lines.

a. ——— ? From Mr. Children's collection.

TACHINA Nysas, n. s. *Cinerea, capite scutellique margine postico fulvis, abdomine fulvo vitta dorsali maculisque utrinque nigris, palpis fulvis, antennis ferrugineis, pedibus fulvis, femoribus nigris, alis subfulvis.*

Head tawny, pale yellow in front, beset with a very few black bristles; side clothed with a few white hairs; sides of the face without bristles except at the base; epistoma prominent: sucker black; palpi tawny, long, slender, beset with black bristles: eyes red, not hairy: feelers ferruginous, very short, not so long as the face; third joint a little longer than the second, nearly linear, flat above, slightly convex beneath, obliquely truncated at the tip; bristle black, tapering, slender, thrice the length of the third joint, its first and second joints very short: chest and breast dark gray; chest beset with black hairs and bristles; hind border of the scutcheon tawny; breast partly clothed with tawny hairs: abdomen tawny, clothed with black hairs, beset with a few black bristles on the hind borders of the segments and towards the tip, adorned with a black

stripe on the back, and with a row of black spots on each side: legs tawny, clothed with black hairs and bristles; feet towards the tips and thighs black; foot-cushions tawny: wings with a slight tawny tinge, which disappears on the hind border; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, nearly straight, joining the border a little above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper larger and outward; scales whitish, tinged and bordered with yellow. Length of the body 4 lines; of the wings 7½ lines.

a. ——— ?

TACHINA Petalus, n. s. *Cana, capite abdomineque fulvis, huic maculis utrinque tribus nigris, thorace purpureo cyaneoque vittato, palpis antennis pedibusque fulvis, alis subfulvis.*

Head tawny, covered with golden down, having a hoary tinge on each side of the crown; face whitish, its sides fringed with bristles towards the base; epistoma prominent; sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with a few black bristles: eyes red, not hairy: feelers tawny, shorter than the face; third joint nearly linear, flat above, slightly convex beneath, obliquely truncated at the tip, about twice the length of the second joint; bristle pitchy, downy, very slender, nearly thrice the length of the third joint, tawny at the base, its first and second joints very short; third joint rather stout near the base, very slender from thence to the tip: chest and breast hoary: chest flat, clothed with black hairs and bristles, adorned with purple and blue reflections, which are arranged in stripes; hind border of the scutcheon tawny: breast adorned with a metallic lustre, partly clothed with tawny hairs: abdomen tawny, shining, beset with black hairs and with a few black bristles, adorned with three black spots on each side: legs tawny, clothed with black hairs and bristles; feet darker towards the tips; tips of the claws black: wings with a slight tawny tinge, which is darkest along the fore border; wing-ribs tawny; veins pitchy; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, nearly straight, joining the border of the wing at a short distance above the tip; lower cross-vein with two curves, the lower largest and inward, the upper outward and more slight. Length of the body 4 lines; of the wings 7 lines.

a. ——— ?

TACHINA trixoides, n. s. *Cinerea, capite ferrugineo, thorace vittis quinque nigris, abdomine nigro-piceo cano micante, antennis rufis, pedibus nigris, alis subcinereis.*

Body black: head pale ferruginous, black above and behind, beset with a few black hairs and bristles, clothed beneath with pale tawny hairs; sides of the face without bristles except at the base; epistoma not prominent: eyes pitchy, not hairy; sucker ferruginous, clothed with short pale tawny hairs: feelers pale red, much shorter than the face; second joint very short; third joint short, but longer than the second, nearly linear, rounded at the tip; bristle black, downy, tapering; first and second joints short: chest gray, clothed with black hairs and bristles, adorned with five indistinct black stripes; scutcheon covered with long black spines: abdomen pitchy-black, with hoary reflections, clothed with black hairs, armed towards the tip with some long black spines: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings light gray; wing-ribs tawny; veins pitchy, pale towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a stump beyond it, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein curved inward near the base, almost straight from thence to the tip; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 11 lines.

a. Georgia.

TACHINA Bura, n. s. *Fulva, thoracis disco abdomineque nigris, hoc maculis fasciisque albis ornato illo antice albo vittato, palpis antennis pedibusque fulvis, alis fusco-cinereis basi fulvis.*

Head bright tawny, rather darker on the crown, clothed beneath with tawny hairs, and above with some black hairs, beset on each side of the mouth with a few black bristles; sides of the face without bristles except at the base; epistoma prominent; eyes pitchy, not hairy; palpi tawny, slender, clothed with tawny hairs: feelers bright reddish tawny, much shorter than the face; second joint linear, slender, almost truncated at the tip, longer than the second joint; bristle black, tapering, nearly twice the length of the third joint, its second joint short, but longer than the first: chest and breast tawny, clothed with tawny hairs; disk of the chest black, clothed with short black hairs, adorned with white reflections which form four short stripes on the fore part: abdomen deep black, clothed with black hairs, its back adorned near the base with two white spots, and from the middle to the tip with short connected

white bands; its underside adorned on each side with a broad irregular white stripe; these two stripes send forth short bands, which appear as spots on the sides of the back; legs tawny, clothed with black hairs and bristles; feet black towards the tips; claws tawny, with black tips; foot-cushions yellow: wings brownish gray, bright tawny at the base: there is a white interval between the above colours and for half the length of the wing along the fore border; wing-ribs and veins bright tawny, the latter pitchy in the gray part of the wing; tip cross-vein forming a hardly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border considerably above the tip of the wing; lower cross-vein with two irregular and very slight curves, the lower inward, the other outward and indistinct; scales tawny. Length of the body 6 lines; of the wings 14 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.
b. New Holland. From the Rev. J. Wenham's collection.

TACHINA Cassotis, n. s. *Fulva, capite flavo, abdomine ferrugineo macula fasciaque nigris, palpis fulvis, antennis luteis, pedibus fulvis, tarsis nigris, alis limpidis.*

Body clothed with black hairs and bristles: head yellow, beset with a very few bristles, clothed beneath with a few pale yellow hairs; a single bristle on each side of the face; epistoma prominent; eyes pitchy, not hairy: sucker black; palpi tawny, beset with black bristles: feelers pale orange, shorter than the face; third joint full thrice the length of the second; rather slender, flat above, slightly convex beneath, rounded at the tip; bristle pitchy, tawny at the base; first and second joints very short; third joint stout at the base, slender from thence to the tip, more than twice the length of the third feeler-joint: chest tawny, dull; breast paler: abdomen ferruginous, a little longer than the chest; a black stripe on the back, disappearing at the base; hind border of the third segment black: legs tawny, clothed with black hairs and bristles; feet black, tawny at the base; foot-cushions tawny: wings colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, nearly straight, joining the border a little above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other longer and outward; scales pale yellow. Length of the body 2½ lines; of the wings 5 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

TACHINA Segonax, n. s. *Nigra, fulvo tecta, capite aureo, abdominis lateribus fulvis, palpis fulvis, antennis pedibusque nigris, alis cinereis basi et ad costam flavis.*

Body black, clothed with black hairs and bristles: head golden, paler on the face and beneath; epistoma slightly prominent; sides of the face without bristles except at the base: eyes dark red, not hairy: palpi tawny: feelers black, much shorter than the face; third joint about thrice the length of the second, rather deep, flat above, slightly convex beneath, truncated at the tip; bristle near twice the length of the third joint; first joint very short; second joint long; third joint rather stout though tapering from the base to the tip: chest covered with tawny bloom: abdomen elliptical, tawny, not longer than the chest; base, tip, and a middle stripe black, covered with tawny bloom: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray, yellowish at the base and along half the length of the fore border; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border very near the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other outward. Length of the body 2½ lines; of the wings 5 lines.

a. ———? From Mr. Children's collection.

Div. D. Thryptoceratæ, *Desv. Essai Myod.* 82.

Group I. Germaria, *Desv. Essai Myod.* 83.

Group II. Osmæa, *Desv. Essai Myod.* 84.

Group III. Neæra, *Desv. Essai Myod.* 84.

TACHINA laticornis? *Meig. Dipt.* iv. 351, 194. Thryptocera laticornis? *Macq. Hist. Nat. Dipt.* ii. 89, 4. *Ann. Soc. Ent. France, 2me série,* iii. 286, 2, *pl.* 6, *f.* 5.

a. England. Presented by F. Walker, Esq.

Group IV. Actia, *Desv. Essai Myod.* 85.

Group V. Ceromya, *Desv. Essai Myod.* 86.

Group VI. Ceranthia, *Desv. Essai Myod.* 88.

Group VII. Aphria, *Desv. Essai Myod.* 89.

TACHINA Broteas, n. s.

Allied to the *Macromydæ*. Body black, clothed with black hairs and bristles: head pitchy on the crown; sides of the face yellow, without bristles; epistoma not prominent: eyes pitchy, not hairy: sucker pitchy; palpi tawny: feelers black, as long as the face; third joint deep, slightly convex above, somewhat rounded at the tip, more than four times the length of the second; bristle hardly longer than the third joint, its first joint very short, second joint very long, more than twice the length of the first, forming a very slight angle with the third, which is stout, and tapers from the base to the tip: chest dull: abdomen oval, shining, a little longer than the chest, adorned on the fore borders of the segments with almost interrupted white bands: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle or rather curve with the fourth longitudinal vein, almost straight, joining the border at the tip of the wing and very near the third longitudinal vein; lower cross-vein with a very indistinct inward curve near the base, almost straight from thence to the tip; scales yellowish, with darker borders. Length of the body 2 lines; of the wings 4 lines.

a. England.

Div. E. Erythroceratæ, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 429.

Group I. Phryno, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 432.

Group II. Eurigaster, *Macq. Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 434.

Group III. Erythrocera, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 436.

Group IV. Curtisia, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 440.

Group V. Hebia, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 441.

Group VI. Roeselia, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 443.

Div. F. Graosomæ, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 448.

Group I. Myobia. *Desv. Ann. Soc. Ent. France, 2me série*, vi. 454.

TACHINA longipes? *Meig. Dipt.* iv. 341, 176.
a. ———?

Group II. Leskia, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 460.

Group III. Solieria, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 461.

Group IV. Orillia, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 474.

Group V. Fischeria, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 477.

TACHINA pacifica? *Meig. Dipt.* iv. 342, 178.
a. England. Presented by F. Walker, Esq.

TACHINA spreta, *Meig. Dipt.* iv. 343, 179.
a. England.

TACHINA plebeia? *Fall. Musc.* 13, 22. *Meig. Dipt.* iv. 343, 180.
a. England. Presented by F. Walker, Esq.

TACHINA vetusta? *Meig. Dipt.* iv. 347, 187.
a. England. Presented by F. Walker, Esq.

Group VI. Melia, *Desv. Ann. Soc. Ent. France, 2me série*, vi.

Div. G. Faunidæ, *Desv. Essai Myod.* 102.

Group I. Latreillia, *Desv. Essai Myod.* 104.

TACHINA bifasciata, *Wied. Auss. Zweif.* ii. 305, 44. Musca bifasciata, *Fabr. Syst. Ent.* 777, 19. *Ent. Syst.* iv. 325, 53. *Syst. Antl.* 299, 78. Ocyptera bifasciata, *Latr. Dict. d'Hist. Nat.* xxiv. 195, 373. Latreillia bifasciata, *Desv. Essai Myod.* 104, 1. Nemoræa bifasciata, *Macq. Hist. Nat. Dipt.* ii. 104, 19. Belvosia bicincta, *Desv. Essai Myod.* 103, 1. B. bifasciata, *Macq. Dipt. Exot.* ii. 3, 57, 1, *pl.* 6, *f.* 2.
a. Brazil. From Mrs. Noel's collection.
b. Jamaica. From Mr. Gosse's collection.
c. ———?

TACHINA Dorycus, n. s. *Fulva, capite aureo, pectore cano, abdomine nigro vittato, palpis antennisque fulvis, horum articulo 3° piceo, pedibus nigris, tibiis fulvis, alis subcinereis basi fulvis.*

Head gold-colour and beset with some black bristles above, whitish and clothed with white hairs beneath; epistoma not prominent; sides of the face completely fringed with hairs: eyes pitchy, not hairy: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi tawny, long, slender, beset with short black bristles: feelers dark tawny, as long as the face; third joint linear, slender, very long, pitchy, tawny at the base, full six times the length of the second joint; bristle black, stout, tapering, hardly longer than the third feeler-joint, its first and second joints short, of equal length: chest thickly covered with pale tawny bloom, clothed with tawny hairs, beset with black bristles; breast hoary, partly clothed with hoary hairs: abdomen conical, a little longer than the abdomen, tawny, with paler reflections towards the tip, clothed with black hairs and bristles, adorned with a black stripe, which widens across the whole breadth before the tip: legs black, clothed with black hairs and bristles; thighs covered beneath with hoary bloom: shanks dark tawny; foot-cushions tawny: wings slightly gray, tawny at the base, and with a tawny tinge along half the length of the fore border; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very slightly curve inward, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower short and inward, the upper outward and longer; scales yellowish white. Length of the body 5½ lines; of the wings 9 lines.

a. Ukraine. Presented by Dr. Dowler.

TACHINA Psamathe, n. s. *Nigra, capite fulvo, thorace cano quadrivittato, abdomine maculis lateralibus trigonis ornato, palpis fulvis antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head with a pale tawny silk-like covering, hoary and thickly clothed with hoary hairs behind and beneath; a black stripe passes from the eyelets to the feelers, and is fringed with black spines, which extend beyond it in a line parallel to the face as far as one-half of the length of the latter; sides of the face fringed with bristles at the base; epistoma slightly prominent: eyes red, hairy: sucker black, clothed with black hairs, and at the tip with tawny hairs; palpi long, slender, tawny, beset with black bristles: feelers black, as long as the face; second joint ferruginous at the tip; third joint nearly four times the length of the second, slender, linear, very slightly concave above,

is yellow and hardly prominent; sides of the face fringed with bristles on half the length from the base: eyes red, not hairy: sucker black, pitchy, and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers black, as long as the face; tip of the second joint ferruginous; third joint long, linear, truncated at the tip, about thrice the length of the second joint; bristle much longer than the third joint, its first joint very short, second joint moderately long, third joint stout for more than one-third of the length, very slender from thence to the tip: chest adorned with four slender black stripes; scutcheon tawny: abdomen obconical, a little longer than the chest, adorned with hoary lustre, which has a yellowish tinge; this lustre disappears on the hind borders of the segments, which are armed with long black spines; a large ferruginous spot on each side of the second segment: legs black, clothed with black hairs and bristles; claws pitchy, with black tips; foot-cushions tawny: wings slightly gray, whitish at the base; wing-ribs tawny; veins black, tawny towards the base; four spines on the third longitudinal vein; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein which projects far beyond it, very slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein very slightly curved inward; scales white, with yellow borders. Length of the body 5 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Lucagus, n. s. *Cinerea, capite argenteo, thorace nigro quadrivittato, abdomine fasciis interruptis canis, palpis fulvis, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head adorned in front with silvery lustre, clothed beneath with a few hoary hairs; crown tawny about the eyelets and on each side, the middle part being occupied by a black stripe between the eyelets and the feelers; no bristles on the sides of the face; epistoma hardly prominent: eyes red, not hairy: sucker black, clothed at the tip with pale tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, as long as the face; tips of the first and of the second joints ferruginous; third joint linear, slender, more than twice the length of the second, nearly truncated at the tip; bristle much longer than the third joint, its first joint obsolete; second joint short; third joint rather stout though tapering for nearly half its length, very slender from thence to the tip: chest covered with gray bloom, which is interrupted by four slender black stripes: abdomen obconical, not longer than the chest, adorned on the fore borders of the segments

with broad irregular bands of hoary lustre, which has a yellowish tinge, is chiefly prevalent on each side, and is interrupted on the back by a slender black stripe: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper outward and almost imperceptible; scales dingy white. Length of the body 3 lines; of the wings 5½ lines.

a. China. Presented by G. T. Lay, Esq.

TACHINA Menapis, n. s. *Cano-fulva, gracilis, capite antice albido, thorace subvittato, palpis fulvis, antennis rufis, articulo 3° ferrugineo, pedibus fulvis, tarsis nigris, alis cinereis angustis basi subfulvis.*

Body slender, pale tawny, with a hoary tinge, not shining, thinly clothed with black hairs and bristles: head whitish in front: no bristles on the tawny sides of the face; epistoma not prominent: eyes bright red, not hairy: sucker black, clothed at the tip with pale hairs; palpi tawny, long, slender, beset with black bristles: feelers pale red, nearly as long as the face; third joint ferruginous, linear, red at the base, rounded at the tip, about four times the length of the second joint; bristle more than twice the length of the third joint, its first and second joints very short, third joint tapering from the base to the tip: chest indistinctly striped with darker colour: abdomen elliptical, a little longer than the chest: legs tawny, rather long and slender, clothed with black hairs and bristles: shanks darker than the thighs; feet black: wings gray, rather long and narrow, with a tawny tinge at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming an extremely obtuse angle with the fourth longitudinal vein, barely curved inward, nearly straight, joining the border a very little above the tip of the wing; lower cross-vein nearly straight; scales white, with yellow borders. Length of the body 3 lines; of the wings 6½ lines.

a. Upsal, Sweden. Presented by the Entomological Club.

Group VI. Olinda, *Desv. Essai Myod.* 116.

Group VII. Platymya, *Desv. Essai Myod.* 116.

Group VIII. Phorinia, *Desv. Essai Myod.* 118.

Group IX. Ophelia, *Desv. Essai Myod.* 120.

TACHINA Xychus, n. s. *Cinerea, capite argenteo, thorace vittis quatuor nigris, abdominis lateribus cano micantibus, palpis fulvis, antennis pedibusque nigris, alis sublimpidis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned with silvery lustre in front, clothed beneath with some hoary hairs, tawny about the eyelets, and with a pitchy stripe from thence to the feelers; epistoma not prominent; sides of the face completely fringed with bristles: eyes red, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; third joint linear, very long, full six times the length of the second, truncated at the tip; bristle not longer than the third joint, its first joint obsolete; second joint very short; third joint stout for nearly half the length, very slender from thence to the tip: chest adorned with four black stripes: abdomen obconical, a little shorter than the chest; fore borders of the segments adorned on each side with patches of hoary lustre: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight; scales white. Length of the body 2½ lines; of the wings 5 lines.

a. Jamaica. From Mr. Gosse's collection.

Group X. Blondelia, *Desv. Essai Myod.* 122.

Group XI. Rhinomya, *Desv. Essai Myod.* 123.

Group XII. Lydina, *Desv. Essai Myod.* 124.

TACHINA nitida? Lydina nitida? *Desv. Essai Myod.* 124, 1.
a. Upsal, Sweden. Presented by the Entomological Club.

Group XIII. Erynnia, *Desv. Essai Myod.* 125.

Group XIV. Wayneria, *Desv. Essai Myod.* 126.

Group XV. Araba, *Desv. Essai Myod.* 127.

Group XVI. Phorocera, *Desv. Essai Myod.* 131.

TACHINA Diniele, n. s. *Nigra, scutelli apice ferrugineo, palpis antennis pedibusque nigris, alis subcinereis basi subfuscis.*

Body black, clothed with black hairs and bristles: head clothed beneath with hoary hairs: sides of the face ferruginous, fringed with bristles; epistoma yellow, hardly prominent; palpi black: feelers black, as long as the face; third joint linear, narrow, almost truncated at the tip, nearly four times the length of the second; bristle longer than the third joint, its first joint obsolete; second short, stout for full one-third of the length, slender from thence to the tip: eyes dark red, hairy: tip of the scutcheon dark ferruginous; abdomen obconical, not longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pale yellow: wings slightly gray, pale brown at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein straight, with the exception of a very slight inward curve near the base, and an almost imperceptible outward curve near the tip; scales white, with pale tawny borders. Length of the body 3½ lines; of the wings 6 lines.

a. England.

TACHINA Thyamis, n. s. *Nigro-cinerea capite argenteo micante, thorace trivittato, abdomine basi nigro segmenti 2° lateribus fulvo maculatis, antennis pedibusque nigris, alis fulvis apicibus marginibusque posticis subcineries.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: front of the head adorned with silvery lustre; epistoma not prominent; sides of the face without bristles; mouth and palpi black: eyes dark red, not hairy: feelers black, nearly as long as the face; third joint rather stout, linear, rounded at the tip, less than twice the length of the second; bristle about twice the length of the third joint; first and second joints of moderate length; third stout and spindle-shaped for more than one-third of the length from the base, very slender from thence to the tip: chest with three indistinct broad black stripes: abdomen elliptical, a little longer than the chest, black towards the base; a large dull tawny spot on each side of the second segment: legs black, clothed with black hairs and bristles; shanks dark tawny: wings slightly gray, tawny at the base on the fore border, and along the sides of the veins; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border a little above the tip of

Group VIII. Phorinia, *Desv. Essai Myod.* 118.

Group IX. Ophelia, *Desv. Essai Myod.* 120.

TACHINA Xychus, n. s. *Cinerea, capite argenteo, thorace vittis quatuor nigris, abdominis lateribus cano micantibus, palpis fulvis, antennis pedibusque nigris, alis sublimpidis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned with silvery lustre in front, clothed beneath with some hoary hairs, tawny about the eyelets, and with a pitchy stripe from thence to the feelers; epistoma not prominent; sides of the face completely fringed with bristles: eyes red, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; third joint linear, very long, full six times the length of the second, truncated at the tip; bristle not longer than the third joint, its first joint obsolete; second joint very short; third joint stout for nearly half the length, very slender from thence to the tip: chest adorned with four black stripes: abdomen obconical, a little shorter than the chest; fore borders of the segments adorned on each side with patches of hoary lustre: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight; scales white. Length of the body 2½ lines; of the wings 5 lines.

a. Jamaica. From Mr. Gosse's collection.

Group X. Blondelia, *Desv. Essai Myod.* 122.

Group XI. Rhinomya, *Desv. Essai Myod.* 123.

Group XII. Lydina, *Desv. Essai Myod.* 124.

TACHINA nitida? Lydina nitida? *Desv. Essai Myod.* 124, 1.
a. Upsal, Sweden. Presented by the Entomological Club.

Group XIII. Erynnia, *Desv. Essai Myod.* 125.

Group XIV. Wayneria, *Desv. Essai Myod.* 126.

Group XV. Araba, *Desv. Essai Myod.* 127.

Group XVI. Phorocera, *Desv. Essai Myod.* 131.

TACHINA Diniele, n. s. *Nigra, scutelli apice ferrugineo, palpis antennis pedibusque nigris, alis subcinereis basi subfuscis.*

Body black, clothed with black hairs and bristles: head clothed beneath with hoary hairs: sides of the face ferruginous, fringed with bristles; epistoma yellow, hardly prominent; palpi black: feelers black, as long as the face; third joint linear, narrow, almost truncated at the tip, nearly four times the length of the second; bristle longer than the third joint, its first joint obsolete; second short, stout for full one-third of the length, slender from thence to the tip: eyes dark red, hairy: tip of the scutcheon dark ferruginous; abdomen obconical, not longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pale yellow: wings slightly gray, pale brown at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein straight, with the exception of a very slight inward curve near the base, and an almost imperceptible outward curve near the tip; scales white, with pale tawny borders. Length of the body 3½ lines; of the wings 6 lines.

a. England.

TACHINA Thyamis, n. s. *Nigro-cinerea capite argenteo micante, thorace trivittato, abdomine basi nigro segmenti 2° lateribus fulvo maculatis, antennis pedibusque nigris, alis fulvis apicibus marginibusque posticis subcineres.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: front of the head adorned with silvery lustre; epistoma not prominent; sides of the face without bristles; mouth and palpi black: eyes dark red, not hairy: feelers black, nearly as long as the face; third joint rather stout, linear, rounded at the tip, less than twice the length of the second; bristle about twice the length of the third joint; first and second joints of moderate length; third stout and spindle-shaped for more than one-third of the length from the base, very slender from thence to the tip: chest with three indistinct broad black stripes: abdomen elliptical, a little longer than the chest, black towards the base; a large dull tawny spot on each side of the second segment: legs black, clothed with black hairs and bristles; shanks dark tawny: wings slightly gray, tawny at the base on the fore border, and along the sides of the veins; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border a little above the tip of

the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales yellowish with darker borders. Length of the body 3½ lines; of the wings 7 lines.

a. ——— ? From Mr. Children's collection.

TACHINA ——— ?
a. New Holland. Presented by the Entomological Club.

TACHINA Sosicles, n. s. *Nigra, abdomine flavo-cano, segmentorum marginibus posticis vitta dorsali palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles; sides of the face without bristles; epistoma not prominent: mouth, palpi, and feelers black; feelers as long as the face; third joint nearly linear, full twice the length of the second, flat above, slightly convex beneath, obliquely truncated at the tip; bristle a little longer than the third joint, its first joint obsolete; second short; third stout for full one-third of the length, slender from thence to the tip; abdomen obconical, not longer than the chest, adorned with yellowish hoary reflections, which are interrupted on the hind borders of the segments, and by a middle stripe: legs black, clothed with black hairs and bristles: wings gray; wing-ribs and veins black; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight; scales dingy, with whitish tawny borders. Length of the body 2 lines; of the wings 3½ lines.

a ——— ?

TACHINA luctuosa, *Meig. Dipt.* iv. 347, 185. Medina luctuosa, *Desv. Essai Myod.* 140, 6.

a. England.

TACHINA Zebina, n. s. *Nigro-cinerea, capite aureo, thorace vittis quatuor nigris, scutello ferrugineo, abdomine fasciis canis ornato, palpis ferrugineis, antennis pedibusque nigris, alis cinereis, basi fuscis.*

Body broad, black, slightly curved with gray bloom, clothed with black hairs and bristles: head golden, velvet-like, thickly clothed behind and beneath with pale yellow hairs, tawny and partly covered with a hoary bloom beneath, having a tawny hue on the sides of the crown, the middle part being occupied by a black stripe, which extends from the eyelets to the feelers; face whitish, its sides

without bristles; epistoma yellow, slightly prominent; eyes red, not hairy; sucker ferruginous, and clothed with tawny hairs towards the tip; palpi ferruginous, beset with black bristles: feelers black, a little shorter than the face; tips of the first and second joints ferruginous; third linear, more than twice the length of the second, truncated at the tip; bristle more than twice the length of the third joint, its first joint very short, second short, third gradually tapering from the base to the tip, where it becomes extremely slender: chest adorned with four slender black stripes; scutcheon ferruginous: abdomen elliptical, not longer than the chest, adorned with broad hoary bands along the fore borders of the segments: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray, brown at the base: wing-ribs and veins pitchy; tip cross-vein forming an almost right angle with the fourth longitudinal vein, very slightly curved inward, joining the border above the tip of the wing; lower cross-vein slightly curved inward near the base, almost straight from thence to the tip; scales gray. Length of the body 7 lines; of the wings 14 lines.

a. North Bengal. From Miss Campbell's collection.

TACHINA nigricornis, *Wied. Auss. Zweif.* ii. 322, 76. Musca nigricornis, *Fabr. Ent. Syst.* iv. 331, 81. *Syst. Antl.* 305, 104.
a. East Indies. From Archdeacon Clerk's collection.

TACHINA Onchestus, n. s. *Cana, capite subtus pilis albis dense vestito, thorace vittis quatuor cinereis, scutello ferrugineo, abdomine albo vitta dorsali fasciisque nigris, palpis fulvis, antennis nigris, alis sublimpidis.*

Body black, clothed with black hairs, and with a few black bristles: head covered with white bloom, thickly clothed behind and beneath with white hairs; a pitchy stripe between the eyelets and the feelers; sides of the face without bristles; epistoma yellow, slightly prominent: eyes pitchy, hairy: sucker black; palpi tawny, slender, beset with black bristles: feelers black, as long as the face; tips of the first and second joints ferruginous; third very long, nearly linear, but slightly increasing in breadth from the base to the tip, which is truncated above, and rounded beneath, about four times the length of the second joint: chest covered with hoary bloom, which is interrupted by four gray stripes; scutcheon ferruginous: abdomen white, obconical, shorter than the chest; hind borders of the segments black; an imperfect stripe along the back: wings nearly colourless, whitish at the base; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming with the fourth longitudinal vein a slightly obtuse angle, very remote from the border,

slightly curved inward near the base, straight from thence to the tip; lower cross-vein with two curves, the lower slight and inward, the other outward and more slight; scales white, very large. Length of the body 5 lines; of the wings 10 lines.

a. ———? From Mr. Children's collection.

TACHINA Verritus, n. s. *Nigra, capite flavo, thorace fulvescente, pectore cano, abdomine fasciis fulvis micante, palpis antennis pedibusque fulvis, alis cinereis, basi et ad costam fuscis.*

Body black, clothed with black hairs and bristles: head yellow, velvet-like, clothed beneath with pale yellow hairs; a black stripe between the eyelets and the feelers; face whitish, its sides fringed with bristles along three-fourths of the length from the base; epistoma yellow, slightly prominent: eyes red, hairy: sucker pitchy, beset with tawny hairs towards the tips; palpi black, beset with black bristles: feelers black, as long as the face; third joint six times the length of the second, linear, or very slightly increasing in depth from the base to the tip, which is slightly rounded; bristle more than twice the length of the third joint, its first joint obsolete, second very short; third rather stout for about one-third of its length, very slender from thence to the tip: chest covered with tawny bloom; breast more hoary: abdomen obconical, a little longer than the chest, adorned with broad bands of tawny lustre along the fore borders of the segments; first segment quite black: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray, brownish at the base and along the fore borders; wing-ribs pitchy; veins black, tawny at the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white with yellow borders. Length of the body 4½ lines; of the wings 7 lines.

a. South Africa. Presented by Dr. A. Smith.

TACHINA Nepia, n. s. *Cana, thorace vittis tribus nigris, scutello fulvo, abdomine nigro fasciis canis ornato, palpis fulvis, antennis pedibusque nigris, alis cinereis.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: head covered with white lustre, thickly clothed beneath with pale tawny hairs, adorned with a broad pitchy stripe between the eyelets and the feelers; a ferruginous band on each side between the eyes and the mouth; sides of the face fringed with bristles along

nearly the whole length from the base: epistoma not prominent: eyes red, not hairy; sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles; feelers black, as long as the face; third joint linear, very long, obliquely truncated at the tip, about six times the length of the second joint; bristle a little longer than the third joint, its first and second joints very short; third stout, tapering along the whole length: chest adorned with three black stripes; scutcheon tawny, armed with long black spines; abdomen obconical, not longer than the chest, thickly armed with long black spines; hind borders of the segments irregularly hoary, with tawny tinge towards the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny; wings gray; wing-ribs pitchy; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight, joining the third longitudinal vein far above the tip of the wing; lower cross-vein with three slight curves, the lowest short and outward, the second short and inward, the third long and outward; scales white. Length of the body 5½ lines; of the wings 11 lines.

a. ——— ?

TACHINA evolans, *Wied. Auss. Zweif.* ii. 321, 73.
a. Sierra Leone. Presented by the Rev. D. F. Morgan.

TACHINA ——— ?
a. South Africa. Presented by Dr. A. Smith.

TACHINA Olmus, n. s. *Aurea, thorace nigro quadrivittato, abdomine nigro fasciato, palpis fulvis, antennis pedibusque nigris, alis limpidis ad costam fuscis.*

Body black, clothed with black hairs and bristles: head golden, paler along the outer borders of the eyes; a black stripe from the eyelets to the feelers: epistoma not prominent; sides of the face without bristles, except at the base: eyes red: sucker pitchy; palpi tawny, clothed with black hairs: feelers black, as long as the face; third joint about four times the length of the second, linear, narrow, truncated at the tip; bristle nearly twice the length of the third joint, its first joint obsolete; second extremely short; third stout for less than one-third of the length, slender from thence to the tip: chest and breast covered with golden bloom: chest adorned with four interrupted black stripes: abdomen nearly elliptical, not longer than the chest; fore borders of the segments golden: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless, brown along the fore borders till near the tips; wing-ribs and veins pitchy; veins black towards the tips; tip cross-vein forming a

slightly obtuse angle with the fourth longitudinal vein, having a hardly perceptible curve from the base to the tip, joining the border a little before the tip of the wing; lower cross-vein much curved inward near the base, slightly curved outward towards the tip; scales tinged with yellow, their borders darker. Length of the body 3 lines; of the wings 5½ lines.

a. New Holland. Presented by the Entomological Club.

TACHINA Ipsea, n. s. *Nigra, capite albo micante, thorace fulvo-cano vittis quatuor angustis nigris, abdominis segmentorum marginibus anticis canis, palpis fulvis, antennis ferrugineis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head covered with pale tawny lustre, white beneath; a pale ferruginous stripe between the eyelets and the feelers; sides of the face fringed with bristles; epistoma not prominent: eyes red: mouth black; palpi tawny: feelers ferruginous, as long as the face; third joint linear, slender, pitchy towards the tip, which is obliquely truncated, full thrice the length of the second joint; bristle black, hardly so long as the third joint, its first joint obsolete; second very short; third stout for more than half the length, slender from thence to the tip: chest and breast covered with hoary bloom; that on the former has a tawny tinge, and is interrupted by four slender black bands: abdomen elliptical, not longer than the chest; a broad hoary band on the fore border of each segment; legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward near the base, almost straight from thence to the tip, joining the border considerably above the tip of the wing; the angle which it forms is very remote from the border, and sends forth a long stump; lower cross-vein with two slight curves; the upper outward, longer and more distinct than the other which is inward; scales white. Length of the body 2½ lines; of the wings 4 lines

a. ———? From Mr. Children's collection.

TACHINA Opiter, n. s. *Nigro-cinerea, capite scutelloque fulvis abdomine aureo subtus cano, palpis fulvis, antennis nigris, pedibus piceis tarsis nigris, alis limpidis basi subflavis.*

Body black, very broad, covered with dark gray bloom, clothed with black hairs and bristles: head tawny, covered in front with white lustre, clothed beneath with hoary hairs; epistoma rather prominent; sides of the face without bristles: eyes red, hairy: sucker

pitchy, clothed towards the tip with pale tawny hairs; palpi tawny, beset with a few short, black bristles: feelers black, as long as the face; third joint nearly thrice the length of the second, almost linear, but very slightly increasing in depth from the base to the tip, which is slightly truncated: bristle more than twice the length of the second joint, its first joint obsolete, second very short; third slender, tapering from the base to the tip: scutcheon and adjoining parts of the chest tawny: abdomen obconical, a little shorter than the chest, pale gold colour with a silky lustre, hoary beneath where the segments have tawny borders: legs pitchy, clothed with black hairs and bristles; shanks dark tawny; feet black; foot-cushions tawny: wings colourless, tinged with yellow at the base; wing-ribs tawny; veins pitchy, pale tawny at the base; tip cross-vein very near the wing border, forming an obtuse angle with the fourth longitudinal vein, nearly straight, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward and short, the other long, outward and hardly perceptible; scales yellowish white. Length of the body 4 lines; of the wings 8 lines.

a. France.

TACHINA Calliphon. *Nigro-cinerea, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body grayish black, clothed with black hairs and bristles: head very hairy, ferruginous by the base of the face, whose sides are without bristles; epistoma not prominent: eyes pitchy, hairy: sucker and palpi tawny: feelers black, very nearly as long as the face; third joint about thrice the length of the second, convex at half its length above, flat beneath, truncated at the tip; bristle more than twice the length of the third joint, its first joint obsolete, second very short; third stout for near one-fourth of its length, very slender from thence to the tip: abdomen nearly elliptical, not longer than the chest: legs black, clothed black hairs and bristles; foot-cushions tawny; wings slightly gray; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming near the border of the wing a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border very near the tip of the wing; lower cross-vein almost straight, but with a very slight indication of the usual curves; scales white with pale tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. ——— ?

TACHINA Rhœo, n. s. *Cana, capite argenteo micante, thorace vittis quatuor nigris, scutello fulvo, abdomine cano-fulvescente vittis tribus fasciisque nigris, palpis fulvis, antennis pedibusque nigris, alis limpidis.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: head adorned in front with silvery lustre, clothed behind and beneath with hoary hairs; a tawny tinge on the crown; sides of the face without bristles, except at the base; epistoma not prominent; sucker pitchy, clothed with pale tawny hairs; palpi tawny, beset with black bristles: eyes red, not hairy: feelers black, a little shorter than the face; third joint linear, ferruginous at the base, much longer than the second, truncated at the tip; bristle much longer than the third joint, its first joint very short, second rather short, third stout for almost one-third of the length, slender from thence to the tip: chest adorned with four indistinct black stripes; scutcheon tawny: abdomen obconical, not longer than the chest, its bloom with a slight tawny tinge, and having a tessellated appearance, being interrupted by three black stripes, and by the black hind borders of the segments; last segment very bright tawny: legs black, clothed with black hairs and bristles; thighs hoary: foot-cushions tawny: wings colourless, tinged with yellow at the base; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, having a very indistinct inward curve for nearly half the length, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward and indistinct, the other shorter, more distinct and outward; scales large, white with pale yellow borders. Length of the body 4 lines; of the wings 7 lines.

a. ——? From Mr. Children's collection.

TACHINA Theutis, n. s. *Nigro-cinerea, capite albo micante, abdomine cano tessellato, palpis fulvis, pedibus nigris, tibiis fulvis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head covered with white lustre, darker on the crown where there is a pitchy stripe from the eyelets to the feelers, clothed beneath with hoary hairs, very prominent about the feelers; sides of the face without bristles; peristoma tawny; epistoma not prominent; eyes dark red, not hairy: palpi tawny, beset with black bristles: feelers black, nearly as long as the face; first and second joints ferruginous; third slender, linear, truncated at the tip, about thrice the length of the second; bristle more than twice the length of the third joint, its first and second

joints very short; third stout for full one-fourth of its length, very slender from thence to the tip; chest covered with dark gray bloom: abdomen nearly elliptical, longer than the chest, covered with hoary lustre, which is partly interrupted by a black stripe, and by the black hind borders of the segments, and has a tessellated appearance: legs black, rather long, clothed with black hairs and bristles; shanks tawny; foot-cushions dark tawny: wings slightly gray; wing-ribs pitchy; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, irregularly and very slightly curved inward from the base to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein straight, with the exception of two short and slight curves, the one inward and at the base, the other outward and at the tip; scales white, with pale yellow borders. Length of the body 3¼ lines; of the wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Demylus, n. s. *Nigro-cinerea, capite flavo, thorace subvittato, abdominis lateribus basi fulvis, antennis rufis, articulo 3° nigro, palpis pedibusque fulvis, tarsis nigris, alis limpidis angustis.*

Body black, rather narrow, covered with gray bloom, clothed with black hairs and bristles; head adorned with pale yellow lustre, prominent about the base of the feelers, hoary and clothed with pale yellow hairs beneath; sides of the face fringed with bristles at the base; epistoma slightly prominent; eyes bright red, not hairy; sucker ferruginous; clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers as long as the face; first and second joints red; third black, red at the base, linear, narrow, rounded at the tip, nearly four times the length of the second; bristle black, less than twice the length of the third joint, its first joint obsolete, second very short; third stout for about one-fourth of the length, very slender from thence to the tip: chest indistinctly striped with darker colour: abdomen nearly oval, not longer than the chest; a large tawny spot extends from the base to the middle on each side: legs tawny, rather long, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings colourless, rather long and narrow; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight till near the tip, where it has a slight inward curve, joining the border a little above the tip of the wing; lower cross-vein with two curves, one near the base short and inward, the other longer, outward and near the tip; scales white, with yellow borders. Length of the body 3½ lines; of the wings 8 lines.

a. North America? Presented by the Entomological Club.

TACHINA prisca, n. s. *Cana, angusta, thorace vittis quatuor nigris, abdominis segmentorum marginibus posticis vittaque dorsali nigris, palpis nigris, antennis ferrugineis apice nigris, pedibus fulvis longis, alis limpidis.*

Body hoary, slender, clothed with black hairs and bristles: head clothed beneath with white hairs; a pitchy stripe between the eyelets and the feelers; epistoma not prominent: sides of the face without bristles except at the base: sucker pitchy, clothed with tawny hairs; palpi long, black, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint black, ferruginous at the base, which is convex above where the feelers are inserted, flat above, hardly convex beneath, truncated at the tip, more than thrice the length of the second joint; bristle twice the length of the third joint, its first and second joints very short, with tawny tips; third rather stout for one-third of the length, very slender from thence to the tip: chest adorned with four black stripes: abdomen oval, not longer than the chest; first segment, hind borders of the following segments and a middle stripe black: legs tawny, long and slender; feet black; foot-cushions tawny: wings colourless, long; wing-ribs and veins tawny; tip cross-vein forming near the wing border an obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border a little above the tip of the wing; lower cross-vein slightly curved inward near the base, indistinctly waving from thence to the tip; scales white, with very pale yellow borders. Length of the body 4 lines; of the wings 9 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA invaria, n. s. *Nigra, fulvo tecta, capite antice subtusque albo, ventre cano, palpis antennis pedibusque nigris, alis subcinereis basi subfuscis.*

Body black, covered with pale tawny bloom, clothed with black hairs and bristles: head white in front and beneath; a black stripe fringed with bristles between the eyelets and the feelers: sides of the face fringed with bristles at the base; epistoma and sides of peristoma tawny, the former not prominent: eyes dark red, not hairy: sucker and palpi black: feelers black, as long as the face; third joint linear, slender, obliquely truncated at the tip, about twice the length of the third joint, its first joint obsolete; second very short; third tapering from the base to the tip: scutcheon and abdomen armed with long black spines: abdomen obconical, a little longer than the chest, somewhat hoary beneath; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, tinged with brown at the base; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein straight till near the tip, where it

slightly bends outward, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, shorter and much more distinct than the other which is outward; scales dingy white, with tawny borders. Length of the body 4½ lines; of the wings 9 lines.

a. France?

TACHINA Ipthime, n. s. *Nigro-cinerea, capite antico flavo, abdomine basi rufo, palpis fulvis, antennis pedibusque nigris, alis subcinereis basi fulvis.*

Body grayish black, clothed with black hairs and bristles: head bright yellow in front, and on the face, ferruginous along the sides of the face, having a dark ferruginous stripe between the eyelets and the feelers; epistoma prominent: eyes pitchy, not hairy; sucker black, clothed with pale tawny hairs: palpi tawny, not bristly: feelers black, as long as the face; first and second joints red; third linear, or hardly convex above and beneath, nearly truncated at the tip, less than twice the length of the second joint; bristle about twice the length of the third joint, its first joint obsolete; second rather long; third somewhat stout for nearly one-fourth of its length, slender, tapering and downy from thence to the tip: abdomen elliptical, longer than the chest, red on nearly the whole of the first segment, and on the sides of the second segment: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray, tawny at the base; wing-ribs and veins tawny; veins armed with bristles, pitchy towards the tips; tip cross-vein forming an extremely obtuse angle or rather curve with the fourth longitudinal vein, nearly straight for half its length, very slightly curved inward from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein slightly curved inward at the base, almost straight from thence to the tip. Length of the body 4 lines; of the wings 7 lines.

a. France.

TACHINA Diabolus, *Wied. Auss. Zweif.* ii. 302, 38. Ocyptera Diabolus, *Wied. Zool. Mag.* iii. 26, 39.

a. Cape.

TACHINA Imbrasus, n. s. *Nigra, angusta, plumbeo ex parte tecta, capite aureo, thorace nigro quadrivittato, abdomine cano trivittato, palpis antennis pedibus alisque nigris.*

Body black, rather long and narrow, partly covered with bluish gray bloom, clothed with black hairs and bristles: head bright

gold colour, silvery behind the eyes, clothed beneath with hoary hairs; crown pitchy; a broad black stripe between the eyelets and the feelers; face fringed with bristles along half the length from the base; epistoma not prominent: eyes dark red, not hairy; sucker and palpi black; palpi beset with black bristles: feelers black, as long as the face; third joint very long, much more than six times the length of the second, slightly concave above, flat beneath, increasing in depth near the tip, which is truncated; bristle a little longer than the third joint, its second joint long, more than twice the length of the first; third tapering, rather hairy: chest adorned with four black stripes: abdomen cylindrical, a little longer than the chest, adorned with three stripes of hoary lustre; the side stripes broader and more distinct than the middle stripe: legs black, long, stout, clothed with black hairs and bristles; foot-cushions and claws back: wings black, rather paler along the hind borders; wing-ribs and veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly waving from the base to the tip, joining the border a little above the tip of the wing: lower cross-vein with two distinct curves, the lower inward, the other outward; scales white, with brown borders. Length of the body 6 lines; of the wings 13 lines.

a. Hong Kong, China. Presented by J. C. Bowring, Esq.

Div. H. Erycinæ, *Desv. Essai Myod.* 142.

Group I. Phryno, *Desv. Essai Myod.* 143.

Group II. Roeselia, *Desv. Essai Myod.* 145.

Note.—Desvoidy has lately placed the two preceding groups with the *Erythroceratæ.* (See p. 763.)

TACHINA antiqua, *Meig. Dipt.* iv. 412, 300. *Zett. Dipt. Scand.* iii. 1056, 50. T. pallipes Var β., *Fall. Musc.* 22, 44. Eusigaster antiqua, *Macq. Hist. Nat. Dipt.* ii. 117, 5. Roeselia antiqua, *Meig. Dipt.* vii. 253, 1. *pl.* 72. *f.* 6.

a. England. Presented by F. Walker, Esq.

Group III. Erycia, *Desv. Essai Myod.* 146.

Group IV. Zenais, *Desv. Essai Myod.* 148.

Group V. Zaira, *Desv. Essai Myod.* 150.

Group VI. Zaida, *Desv. Essai Myod.* 150.

Div. I. Agridæ, *Desv. Essai Myod.* 152.

Group I. Zenillia, *Desv. Essai Myod.* 152.

Group II. Pales, *Desv. Essai Myod.* 154.

Group III. Elophoria, *Desv. Essai Myod.* 156.

TACHINA longicornis, *Fall. Musc.* 31, 63. *Meig. Dipt.* iv. 417, 310. *Zett. Dipt. Scand.* iii. 1157, 157. Fallenia longicornis, *Meig. Dipt.* vii. 265, 1.
a. England. Presented by F. Walker, Esq.

TACHINA arvensis, *Meig. Dipt.* iv. 337, 169.
a. England.

TACHINA ruricola, *Meig. Dipt.* iv. 299, 104. *Macq. Hist. Nat. Dipt.* ii. 142, 13. *Zett. Dipt. Scand.* iii. 1093, 90. Plagia ruricola, *Meig. Dipt.* vii. 201, 5.
a. England.

TACHINA Menestho, n. s. *Nigra, abdominis segmentorum marginibus anticis cinereo fasciatis, palpis antennis pedibusque nigris, alis subcinereis longis angustis.*

Body black, clothed with black hairs and bristles: head prominent about the insertion of the feelers; epistoma and sides of the face ferruginous, the former not prominent, the latter fringed with bristles for two-thirds of the length from the base: eyes dark red, not hairy: sucker and palpi black: feelers black, as long as the face; third joint nearly linear, flat above, very slightly convex beneath, truncated at the tip, about thrice the length of the second bristle, less than twice the length of the third joint, its first very short; second moderately long; third stout for one-third of the length, slender from thence to the tip: scutcheon and abdomen armed with long black spines; abdomen elliptical, a little longer than the chest; a broad gray band on the fore border of each segment; legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray, rather long and narrow; wing-ribs pitchy; veins black, pitchy at the base; first longitudinal vein armed with bristles; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved inward, joining the border a little above the tip of the wing; lower cross-vein with two very indistinct curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 3½ lines; of the wings 8 lines.
a. England. Presented by F. Walker, Esq.

Group IV. Phryxe, *Desv. Essai Myod.* 158.

Div. J. Bombomydæ, *Desv. Essai Myod.* 170.

Group I. Sturmia, *Desv. Essai Myod.* 171.

Group. II. Winthemia, *Desv. Essai Myod.* 173.

TACHINA meditata? *Meig. Dipt.* iv. 15, 8. Senomeopia meditata? *Macq. Hist. Nat. Dipt.* ii. 107, 8. Winthemia nobilis, *Desv. Essai Myod.* 175, 5. W. meditata, *Desv. Ann. Soc. Ent. Fr. 2nd serie*, v. 286, 5.
a. England.

TACHINA Clymene, n. s. *Atra, augusta, nitens, capite ad os ferrugineo, palpis fulvis, antennis nigris, articulo 3° pedibusque ferrugineis, tarsis nigris, alis limpidis, basi et ad costam flavis.*

Body black, shining, narrow, clothed with black hairs and bristles and spines: head very bristly, ferruginous between the eyes and the peristoma, which is yellow; epistoma prominent; sides of the face fringed with bristles for one-third of the length from the base: eyes dark red, hairy: sucker and palpi tawny: feelers black, much shorter than the face; third joint ferruginous, deep, linear, truncated at the tip, very much longer than the second; bristle black, much longer than the third joint, its first joint obsolete, second very short; third stout for one-third of its length, slender and tapering from thence to the tip: abdomen spindle-shaped, a little longer than the chest: legs ferruginous, clothed with black hairs and bristles; feet black: foot-cushions yellow: wings colourless, tinged with yellow at the base, and along the fore border: wing-ribs and veins yellow; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward. Length of the body 4 lines; of the wings 7 lines.

a. England.

Group III. Carcelia, *Desv. Essai Myod.* 176.

TACHINA lugubris? *Mieg. Dipt.* iv. 370, 227.
a. England.

Group IV. Smidtia, *Desv. Essai Myod.* 183.

Group V. Aplomya, *Desv. Essai Myod.* 184.

TACHINA nervosa, *Walker, Linn. Trans.* xvii. 341, 26.
a. Port Famine. Presented by the Entomological Club.

TACHINA pyrrhopyga, *Wied. Zool. Mag.* iii. 53, 19. *Aus. Zweif.* ii. 319, 69. *Walker, Linn. Trans.* xvii. 341, 27.
a. South America. Presented by the Entomological Club.

TACHINA Hybreas, n. s. *Nigro-cinerea, capite antico fulvo, palpis fulvis, pedibus nigris, tibiis fulvis, alis sublimpidis basi et ad costam fulvis.*

Body black, stout, clothed with black hairs and bristles, covered with a gray bloom: head pale, tawny in front, clothed beneath with pale yellow hairs; a ferruginous stripe between the eyelets and the feelers; epistoma not prominent: eyes red, not hairy: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles; feelers wanting: scutcheon ferruginous towards the tip: abdomen elliptical, a little longer and broader than the chest: legs black; shanks dark tawny; wings nearly colourless, tawny at the base, and along the fore borders for nearly half the length; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, nearly straight, but very slightly waving from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward and rather shorter than the other, which is outward; scales white, bordered with yellow. Length of the body 4 lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHINA Coras, n. s. *Nigra, capite aureo, thorace vittis tribus intermedia duplicata, pectoreque canis, lateribus flavescentibus, scutello ferrugineo, abdomine maculis fasciisque plumbeis ornato, palpis fulvis, antennis ferrugineis, articulo 3° pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head bright gold colour, clothed beneath with bright yellow hairs, very prominent about the base of the feelers; face hoary, its sides fringed with bristles for one-fourth of the length from the base; epistoma slightly prominent: eyes red, not hairy; sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, shorter than the face; first and second joints dark ferruginous, third joint nearly linear, but with a very slight depression above, and a proportionate convexity beneath, truncated at the tip; full twice the

length of the second joint; bristle about twice the length of the third joint, its second joint of moderate length, about twice the length of the first joint; third joint stout for more than one third of the length, when it is adorned with a red band, slender from thence to the tip: chest adorned with three slender hoary stripes; middle stripe double; sides tinged with yellow; scutcheon very dark ferruginous: breast hoary; abdomen obconical, not longer than the chest, adorned with a large bluish white spot on each side of every segment, across whose fore border there is a narrow band of the same colour: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, nearly straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with a slight inward curve, extending nearly along its whole length. Length of the body 5 lines; of the wings 10 lines.

a. West Australia. From Mr. Clifton's collection.

TACHINA flavicans, *Wied. Zool. Mag.* iii. 24, 36. *Auss. Zweif.* ii. 324, 79.

a. Cape.

TACHINA Epicydes, n. s. *Nigro-cinerea, capite cano micante, palpis fulvis, antennis pedibusque nigris, tibiis basi fulvis, alis subcinereis.*

Body grayish black, clothed with black hairs and bristles: front of the head adorned with hoary lustre; a ferruginous stripe on each side of the peristoma; sides of the face without bristles, except at the base; epistoma not prominent: eyes red, hairy: sucker pitchy, clothed with tawny hairs; palpi stout, tawny, beset with black bristles: feelers black, a little shorter than the face; third joint about twice the length of the second, flat above, till near the tip where it rises, rather convex beneath, slightly rounded at the tip; bristle more than twice the length of the third joint, its first joint obsolete; second very short; third slender, tapering from the base to the tip: abdomen nearly oval, very little longer than the chest: legs black, clothed with black hairs and bristles; shanks tawny at the base; foot-cushions yellow: wings slightly gray; wing-ribs dark tawny; veins black, tawny at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, straight for one-fourth of the length, and having a very slight inward curve from them to the tip, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves,

the lower inward, the upper outward; scale white, with yellow borders. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHINA Pansa, n. s. *Picea, capite flavo-albo micante, thoracis lateribus vittisque tribus canis, abdomine cano trifasciato, palpis fulvis, antennis, pedibusque nigris, alis subcinereis.*

Body pitchy, clothed with black hairs and bristles; head covered with yellowish-white lustre, clothed beneath with pale yellow hairs, having a tawny hue on each side of the crown, the middle part of which is occupied by a pitchy stripe between the eyelets and the feelers; sides of the face tawny, fringed with black bristles for full half the length from the base: a tawny band on each side between the face and the eyes; epistoma slightly prominent; eyes dark red, not hairy: sucker black, pitchy and clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, a little shorter than the face; third joint a little more than twice the length ol the second joint, flat above, slightly convex beneath, rounded at the tip; bristle rather less than twice the length of the third joint; its first joint obsolete; second very short; third stout for more than one-third of its length, very slender from thence to the tip: chest adorned with three slender hoary stripes; sides hoary; scutcheon ferrūginous; abdomen obconical, longer than the chest, adorned with three hoary bands on the fore borders of the segments; first and second bands narrow above, broad on each side; third band broad, and sending forth a short stripe towards the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, almost straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the upper shorter and outward. Length of the body 6—7 lines; of the wings 11—12 lines.

Var. β. The inward curve of the lower cross-vein shorter and more distinct than the outward.

Var. γ. Lower cross-vein slightly waving for half its length, straight from thence to the tip.

a. North America. Presented by the Entomological Club.
b. Nova Scotia.

Var. δ.? Body pitchy, clothed with black hairs and bristles: head covered with a pale tawny, shining, silk-like covering, thickly

clothed behind and beneath with yellowish white hairs; a black stripe extends from the feelers to the eyelets, on approaching which it gradually disappears; sides of the face fringed with bristles for nearly two-thirds of the length from the base; epistoma prominent: eyes dark red, not hairy: sucker black, pitchy, and clothed with tawny hairs towards the tip; palpi ferruginous, slender, beset with black bristles: feelers ferruginous, shorter than the face; third joint of the male longer than that of the female, much more than twice the length of the second joint, pitchy, linear, truncated at the tip; third joint of the female more than twice the length of the second, rather deep, flat above slightly convex beneath, very obliquely truncated at the tip; bristle pitchy, nearly twice the length of the third joint, its first joint obsolete, second short, third stout for one-third of the length, very slender from thence to the tip: chest covered with dark tawny bloom, very indistinctly striped, paler and with a hoary tinge on each side and beneath; scutcheon armed with a few long black spines; abdomen long-obconical, much longer than the chest, adorned with three short whitish bands on the fore borders of the segments; third band much broader than the preceding, and having a tawny tinge on the hinder part: legs black, thickly clothed with black hairs and bristles; thighs and shanks slightly covered with hoary bloom; foot-cushions tawny: wings slightly gray, yellowish, white at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming almost a right angle with the fourth longitudinal vein, very slightly curved inward, joining the border far above the tip of the wing; lower cross-vein with a slight inward curve from the base till near the tip, whence it is straight; scales dingy white with tawny borders. Length of the body 5½—6 lines; of the wings 11—12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA violenta, n. s. mas. *Picea, fulvo tecta, thorace subvittato, abdomine fulvo trifasciato, palpis antennisque ferrugineis, harum articulo 3º piceo, pedibus nigris, alis subcinereis basi flavo-albis.*

Body pitchy, clothed with black hairs and bristles: head with a golden tawny covering, thickly clothed behind and beneath with tawny hairs; a black stripe extends from the feelers towards the eyelets on approaching which it gradually disappears; sides of the face fringed with bristles for nearly two-thirds of the length; epistoma slightly prominent: eyes dark red, not hairy: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi ferruginous, slender, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint pitchy, linear, slightly rounded at

the tip, thrice the length of the second joint; bristle black, twice the length of the third joint, its first joint obsolete; second short; third stout for one-third of the length, very slender from thence to the tip; chest with a yellowish-tawny covering, very indistinctly striped; breast dark tawny; scutcheon armed with a few long black spines: abdomen long-obconical, much longer than the chest, adorned with three pale tawny bands on the fore borders of the segments; third band much broader than the preceding; legs black, thickly clothed with black hairs and bristles; thighs and shanks slightly covered with hoary bloom; foot-cushions tawny; wings slightly gray, yellowish white at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border far above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward, but hardly perceptible; scales dingy with white tawny borders. Length of the body 6 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA irrequieta, n. s. *Nigra, fulvo tecta, thorace subvittato, abdominis vitta et segmentorum marginibus posticis nigris, pectore ventreque canis, palpis ferrugineis, antennis pedibusque nigris, alis sublimpidis basi flavo-albis.*

Body black, clothed with black hairs and bristles: head with a pale yellow covering, thickly clothed behind and beneath with yellowish white hairs; a black stripe proceeds from the feelers towards the eyelets on approaching which it ceases; sides of the face fringed with bristles for two-thirds the length from the base; epistoma slightly prominent: eyes dark red, not hairy: sucker black, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers black, nearly as long as the face; second joint ferruginous towards the tip; third joint of the male more than twice the length of the second, linear, truncated at the tip, third joint of the female nearly twice the length of the second, rather deep, slightly increasing in depth from the base to the tip, which is obliquely truncated; bristle like that of the preceding species: chest with a dull pale tawny covering, which is indistinctly striped; breast more hoary; scutcheon armed with some long black spines: abdomen oval, not longer than the chest, adorned with a pale tawny covering, which is partly interrupted on the hind borders of the segments, and by a stripe along the back; underside quite hoary: legs black, clothed with black hairs and bristles; thighs and shanks with a slight hoary tinge; foot-cushions tawny: wings nearly colourless, yellowish white towards the base; wing-ribs tawny; veins black, tawny towards the base;

length of the second joint; bristle about twice the length of the third joint, its second joint of moderate length, about twice the length of the first joint; third joint stout for more than one third of the length, when it is adorned with a red band, slender from thence to the tip: chest adorned with three slender hoary stripes; middle stripe double; sides tinged with yellow; scutcheon very dark ferruginous: breast hoary; abdomen obconical, not longer than the chest, adorned with a large bluish white spot on each side of every segment, across whose fore border there is a narrow band of the same colour: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, nearly straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with a slight inward curve, extending nearly along its whole length. Length of the body 5 lines; of the wings 10 lines.

a. West Australia. From Mr. Clifton's collection.

TACHINA flavicans, *Wied. Zool. Mag.* iii. 24, 36. *Auss. Zweif.* ii. 324, 79.

a. Cape.

TACHINA Epicydes, n. s. *Nigro-cinerea, capite cano micante, palpis fulvis, antennis pedibusque nigris, tibiis basi fulvis, alis subcinereis.*

Body grayish black, clothed with black hairs and bristles: front of the head adorned with hoary lustre; a ferruginous stripe on each side of the peristoma; sides of the face without bristles, except at the base; epistoma not prominent: eyes red, hairy: sucker pitchy, clothed with tawny hairs; palpi stout, tawny, beset with black bristles: feelers black, a little shorter than the face; third joint about twice the length of the second, flat above, till near the tip where it rises, rather convex beneath, slightly rounded at the tip; bristle more than twice the length of the third joint, its first joint obsolete; second very short; third slender, tapering from the base to the tip: abdomen nearly oval, very little longer than the chest: legs black, clothed with black hairs and bristles; shanks tawny at the base; foot-cushions yellow: wings slightly gray; wing-ribs dark tawny; veins black, tawny at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, straight for one-fourth of the length, and having a very slight inward curve from them to the tip, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves,

the lower inward, the upper outward; scale white, with yellow borders. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHINA Pansa, n. s. *Picea, capite flavo-albo micante, thoracis lateribus vittisque tribus canis, abdomine cano trifasciato, palpis fulvis, antennis, pedibusque nigris, alis subcinereis.*

Body pitchy, clothed with black hairs and bristles; head covered with yellowish-white lustre, clothed beneath with pale yellow hairs, having a tawny hue on each side of the crown, the middle part of which is occupied by a pitchy stripe between the eyelets and the feelers; sides of the face tawny, fringed with black bristles for full half the length from the base: a tawny band on each side between the face and the eyes; epistoma slightly prominent; eyes dark red, not hairy: sucker black, pitchy and clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, a little shorter than the face; third joint a little more than twice the length of the second joint, flat above, slightly convex beneath, rounded at the tip; bristle rather less than twice the length of the third joint; its first joint obsolete; second very short; third stout for more than one-third of its length, very slender from thence to the tip: chest adorned with three slender hoary stripes; sides hoary; scutcheon ferrüginous; abdomen obconical, longer than the chest, adorned with three hoary bands on the fore borders of the segments; first and second bands narrow above, broad on each side; third band broad, and sending forth a short stripe towards the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, almost straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the upper shorter and outward. Length of the body 6—7 lines; of the wings 11—12 lines.

Var. β. The inward curve of the lower cross-vein shorter and more distinct than the outward.

Var. γ. Lower cross-vein slightly waving for half its length, straight from thence to the tip.

a. North America. Presented by the Entomological Club.
b. Nova Scotia.

Var. δ.? Body pitchy, clothed with black hairs and bristles: head covered with a pale tawny, shining, silk-like covering, thickly

clothed behind and beneath with yellowish white hairs; a black stripe extends from the feelers to the eyelets, on approaching which it gradually disappears; sides of the face fringed with bristles for nearly two-thirds of the length from the base; epistoma prominent: eyes dark red, not hairy: sucker black, pitchy, and clothed with tawny hairs towards the tip; palpi ferruginous, slender, beset with black bristles: feelers ferruginous, shorter than the face; third joint of the male longer than that of the female, much more than twice the length of the second joint, pitchy, linear, truncated at the tip; third joint of the female more than twice the length of the second, rather deep, flat above slightly convex beneath, very obliquely truncated at the tip; bristle pitchy, nearly twice the length of the third joint, its first joint obsolete, second short, third stout for one-third of the length, very slender from thence to the tip: chest covered with dark tawny bloom, very indistinctly striped, paler and with a hoary tinge on each side and beneath; scutcheon armed with a few long black spines; abdomen long-obconical, much longer than the chest, adorned with three short whitish bands on the fore borders of the segments; third band much broader than the preceding, and having a tawny tinge on the hinder part: legs black, thickly clothed with black hairs and bristles; thighs and shanks slightly covered with hoary bloom; foot-cushions tawny: wings slightly gray, yellowish, white at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming almost a right angle with the fourth longitudinal vein, very slightly curved inward, joining the border far above the tip of the wing; lower cross-vein with a slight inward curve from the base till near the tip, whence it is straight; scales dingy white with tawny borders. Length of the body 5½—6 lines; of the wings 11—12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA violenta, n. s. mas. *Picea, fulvo tecta, thorace subvittato, abdomine fulvo trifasciato, palpis antennisque ferrugineis, harum articulo 3º piceo, pedibus nigris, alis subcinereis basi flavo-albis.*

Body pitchy, clothed with black hairs and bristles: head with a golden tawny covering, thickly clothed behind and beneath with tawny hairs; a black stripe extends from the feelers towards the eyelets on approaching which it gradually disappears; sides of the face fringed with bristles for nearly two-thirds of the length; epistoma slightly prominent: eyes dark red, not hairy: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi ferruginous, slender, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint pitchy, linear, slightly rounded at

the tip, thrice the length of the second joint; bristle black, twice the length of the third joint, its first joint obsolete; second short; third stout for one-third of the length, very slender from thence to the tip; chest with a yellowish-tawny covering, very indistinctly striped; breast dark tawny; scutcheon armed with a few long black spines: abdomen long-obconical, much longer than the chest, adorned with three pale tawny bands on the fore borders of the segments; third band much broader than the preceding; legs black, thickly clothed with black hairs and bristles; thighs and shanks slightly covered with hoary bloom; foot-cushions tawny; wings slightly gray, yellowish white at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border far above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward, but hardly perceptible; scales dingy with white tawny borders. Length of the body 6 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA irrequieta, n. s. *Nigra, fulvo tecta, thorace subvittato, abdominis vitta et segmentorum marginibus posticis nigris, pectore ventreque canis, palpis ferrugineis, antennis pedibusque nigris, alis sublimpidis basi flavo-albis.*

Body black, clothed with black hairs and bristles: head with a pale yellow covering, thickly clothed behind and beneath with yellowish white hairs; a black stripe proceeds from the feelers towards the eyelets on approaching which it ceases; sides of the face fringed with bristles for two-thirds the length from the base; epistoma slightly prominent: eyes dark red, not hairy: sucker black, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers black, nearly as long as the face; second joint ferruginous towards the tip; third joint of the male more than twice the length of the second, linear, truncated at the tip, third joint of the female nearly twice the length of the second, rather deep, slightly increasing in depth from the base to the tip, which is obliquely truncated; bristle like that of the preceding species: chest with a dull pale tawny covering, which is indistinctly striped; breast more hoary; scutcheon armed with some long black spines: abdomen oval, not longer than the chest, adorned with a pale tawny covering, which is partly interrupted on the hind borders of the segments, and by a stripe along the back; underside quite hoary: legs black, clothed with black hairs and bristles; thighs and shanks with a slight hoary tinge; foot-cushions tawny: wings nearly colourless, yellowish white towards the base; wing-ribs tawny; veins black, tawny towards the base;

face; third joint linear, more than twice the length of the second; bristle about twice the length of the third joint, rather stout towards the base, feathered with short hairs till near the tip, chest indistinctly striped: scutcheon and abdomen armed with some long black spines: abdomen gray, obconical, longer than the chest; fore borders of the segments adorned with hoary reflections: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, joining the border far above the tip of the wing; lower cross-vein with two slight outward curves, and between them an equally slight inward curve; scales white, with pale yellow borders. Length of the body 2 lines; of the wings 3½ lines.

a. ——— ?

Div. O. Dufouridæ, *Desv. Essai Myod.* 252.

Group I. Dionæa, *Desv. Essai Myod.* 253.

Group. II. Phanemya, *Desv. Essai Myod.* 254.

Group III. Clelia, *Desv. Essai Myod.* 255.

Group IV. Feburia, *Desv. Essai Myod.* 256.

Group V. Dufouria, *Desv. Essai Myod.* 257.

Div. P. Gagateæ, *Desv. Essai Myod.* 260.

Group I. Nyctia, *Desv. Essai Myod.* 262.

Group II. Morinia, *Desv. Essai Myod.* 264.

Group III. Medoria, *Desv. Essai Myod.* 266.

Group IV. Megerlea, *Desv. Essai Myod.* 266.

Group V. Kirbya, *Desv. Essai Myod.* 267.

Group VI. Scopolia, *Desv. Essai Myod.* 268.

TACHINA carbonaria, *Meig. Dipt.* iv. 420, 315. Ocyptera carbonaria, *Fall. Rhizom.* 8—9. Musca carbonaria, *Panz. Faun. Germ.* 54, 15. Scopolia carbonaria, *Desv. Essai Myod.* 269, 2. *Zett. Dipt. Scand.* iii. 1239, 1. Melanophora carbonaria, *Macq. Hist. Nat. Dipt.* ii. 176, 9.

a. ——— ? From Mr. Children's collection.

Group VII. Paykullia, *Desv. Essai Myod.* 270.

Group VIII. Melanophora, *Meig. Desv. Essai Moyd.* 271.

TACHINA roralis, *Meig. Dipt.* iv. 284, 79. *Macq. Hist. Nat. Dipt.* ii. 178, 17. *Zett. Dipt. Scand.* iii. 1237, 1. Melanophora roralis, *Desv. Essai Myod.* 272, 1. Musca roralis, *Linn. Syst. Nat.* ii. 993. *Faun. Suec.* 1846. *Gmel. Ed. Syst. Nat.* v. 2848, 85. *Fabr. Sp. Ins.* ii. 444, 44. *Ent. Syst.* iv. 330, 76. *Syst. Antl.* 304, 102. *Schrank, Faun. Boic.* iii. 2446. *Ins. Austr.* 941. *Turt.* iii. 608. M. grossificationis, *Linn. Syst. Nat.* ii. 296. *Faun. Suec.* 1865. *Gmel. Ed. Syst. Nat.* v. 2855, 109. *Fabr. Sp. Ins.* ii. 451, 83. *Ent. Syst.* iv. 351, 161. *Schrank, Ins. Austr.* 954. *Turt.* iii. 618. *Don. Brit. Ins.* xii. 71, *pl.* 419. M. interventum, *Harr. Ex.* 144, *pl.* 42, *f.* 57. Tephritis grossificationis, *Fabr. Syst. Antl.* 324, 42. Ocyptera roralis, *Fall. Rhizom.* 7, 7.

Group IX. Illigeria, *Desv. Essai Myod.* 273.

TACHINA luctuosa, *Meig. Dipt.* iv. 347, 186.
a. England

TACHINA ——— ?
a. Upsal, Sweden. Presented by the Entomological Club.

TACHINA atramentaria, *Megerle, Meig. Dipt.* iv. 291, 93.
a. England.
b. France ?
c. Naples. Presented by M. A. Pierret.

TACHINA simplex, *Meig. Dipt.* iv. 289, 89. Ocyptera simplex, *Fall. Rhizom.* 8, 10. Melanophora simplex, *Macq. Hist. Nat. Dipt.* ii. 178, 19. Leucostoma simplex, *Zett. Dipt. Scand.* iii. 1235, 5.
a. ——— ? From Mr. Children's collection.
b. ——— France ?

TACHNA Helymus, n. s. *Nigra, nitens, palpis antennis pedibusque nigris, alis subcinereis marginibus anticis fuscis, venis transversis fusco nebulosis.*

Body black, shining, clothed with black hairs and bristles: eyes red, not hairy; feelers, sucker and palpi black; abdomen spindle-shaped, longer than the chest; legs black, clothed with black

GONIA auriceps, *Meig. Dipt.* v. 5, 7. *Curt. Brit. Ent.* 533, 3.
a. ———?
b. Tunis. From Mr. Fraser's collection.
c. Georgia.

GONIA Philadelphica, *Macq. Dipt. Exot.* ii. 3, 51, 6.
a. North America. Presented by the Entomological Club.
b. Nova Scotia. From Lieut. Redman's collection.

GONIA bimaculata, *Wied. Zool. Mag.* iii. 25, 38. *Auss. Zweif.* ii. 344, 3.
a. South Africa. Presented Dr. A. Smith.

GONIA angusta, *Macq. Dipt. Exot.* ii. 3, 56, 7, *pl.* 5, *f.* 5.
a. Jamaica. From Mr. Gosse's collection.
b. Jamaica.

GONIA albifrons, *Barnston's MSS.* fem. *Nigra, capite fulvo, scutello ferrugineo, abdomine nigro-cinereo, antennis ferrugineis articulo 3º pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles; head pale tawny, adorned with whitish lustre, thickly clothed beneath with white hairs; epistoma prominent; face white, its sides fringed with bristles for one-fourth of the length from the base; eyes red: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; first and second joints ferruginous; third joint black, slender, linear, rounded at the tip, about four times the length of the second; bristle black, a little shorter than the third joint: scutcheon ferruginous: abdomen obconical, a little shorter than the chest, slightly tinged with gray: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two short curves, one inward at the base, the other outward at the tip, the middle part straight; scales white, with yellowish white borders. Length of the body 4½ lines; of the wings 9 lines

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

GONIA Chilonis, n. s., fem. *Nigra, capite fulvo, scutello ferrugineo, abdominis lateribus cano maculatis, antennis ferrugineis, articulo 3° pedibusque nigris, alis subcinereis basi fulvis ad costam fuscis.*

Body black, clothed with black hairs and bristles: head tawny, clothed beneath with pale yellow hairs; sides of the face fringed with bristles for three-fourths of the length: eyes dark red: sucker black, clothed at the tip with tawny hairs: palpi tawny, beset with black bristles: feelers black, as long as the face; first and second joints ferruginous; third linear, about four times the length of the second, slightly rounded at the tip; bristle a little shorter than the third joint: scutcheon ferruginous: abdomen obconical, as long as the chest, adorned with a hoary spot on each side of the fore border of every segment; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, tawny at the base, brown along the fore borders; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, hardly curved inward near the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales pale tawny. Length of the body 4—5 lines; of the wings 7—9 lines.

a. ——— ?

GONIA Milias, n. s., fem. *Nigra, cano tecta, capite fulvo, thorace quadrivittato, scutello fulvo, abdomine cano micante, lateribus basi fulvis, antennis ferrugineis, articulo 3° pedibusque nigris, alis albidis basi subfulvis.*

Body black, with a hoary covering, clothed with black hairs and bristles: head pale tawny, with a white bloom, clothed beneath with white hairs; epistoma slightly prominent; sides of the face fringed with bristles for half the length from the base; eyes red: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face; first and second joints ferruginous; third ferruginous at the base, and for half the length beneath, linear, slender, truncated at the tip, more than four times the length of the second joint; bristle a little shorter than the third joint: chest adorned with four slender interrupted black stripes; scutcheon tawny, as is also the neighbouring part of the chest: abdomen obconical, not longer than the chest, adorned with hoary reflections, and on each side of the base, with a very large tawny spot: legs black, clothed with black hairs and bristles; knees ferruginous; foot-cushions tawny: wings whitish, pale tawny at the base: wing-ribs tawny; veins pitchy; tawny at the base; tip cross-

vein forming an acute angle with the fourth longitudinal vein, slightly curved inward near the base; almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower short and inward, the other long and outward; scales grayish with tawny borders. Length of the body 5 lines; of the wings 10 lines.

a. New Holland. Presented by the Earl of Derby.

Duomyia, n. g.

Body, linear, convex, narrow: head large, without bristles; face very large, furrowed; epistoma not prominent: sucker large: feelers shorter than the face; third joint long, compressed nearly linear; bristle not hairy, nearly twice the length of the third joint, its first joint obsolete; second very short: third slightly thickened at the base, slender and tapering from thence to the tip: 4th longitudinal vein not sending forth a tip cross-vein as in Tachina, but more resembling that of Anthomyia, and proceeding in a nearly straight line to the tip of the wing.

Duomyia obscura, n. s., fem. *Cyanea, capite thoracisque lateribus ferrugineis, abdomine purpureo, antennis nigris, pedibus ferrugineis, femoribus supra cyaneis, tibiis anticis tarsisque nigris, alis fuscis.*

Head pitchy and furnished with a few short white hairs above, yellow in front, ferruginous on the crown, whence a ferruginous stripe extends to the feelers; face pale yellow; grooves for the feelers white; eyes red, not hairy; sucker black, clothed with short tawny hairs; palpi black, beset with black bristles: feelers black; third joint flat above, very slightly convex beneath, rounded at the tip, nearly six times the length of the second joint: chest dark blue, shagreened, thinly covered with tawny down, ferruginous on each side; scutcheon smooth, shining, abdomen dark purple, very convex, punctured, shining, narrower and a little longer than the chest: legs ferruginous, stout, clothed with short hoary hairs; thighs blue above; fore shanks and feet black; foot-cushions tawny: wings dark brown, especially along the fore border; wing-ribs tawny; veins black, tawny at the base; fourth longitudinal vein forming a very obtuse angle at the junction of the lower cross-vein, joining the border a very little above the tip of the wing; lower cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight for half the length, slightly curved outward from thence to the tip; scales brownish. Length of the body 7 lines; of the wings 14 lines.

a. New Holland. Presented by J. Hunter, Esq.

DUOMYIA thalassina, n. s. fem. *Cyaneo-viridis, capite ferrugineo, antennis nigris, pedibus ferrugineis, femoribus viridibus, tarsis fulvis, alis subfulvis.*

Head ferruginous, pitchy about the base of the feelers, pale yellow in front; grooves of the feelers almost white: eyes red, not hairy: sucker black, clothed with short tawny hairs; palpi black, beset with black bristles; feelers black; slightly convex above and beneath, rounded at the tip: chest and abdomen dark bluish-green, thinly covered with tawny down: chest shagreened; scutcheon smooth, shining: abdomen punctured, obconical, shorter and narrower than the chest: legs ferruginous, clothed with short pale hairs; hips and thighs green; tips of thighs tawny; feet tawny, darker towards the tips: claws black: wings with a tawny tinge, which is deeper on the fore borders; wing-ribs and veins tawny; scales yellowish white with tawny borders; structure of the veins like that of *D. obscura*. Length of the body 5—6 lines; of the wings 11—12 lines.

a. ——— ?

CHROMATOMYIA, n. g.

Head without bristles; face large, forming a ridge; epistoma prominent: sucker large: feelers shorter than the face; third joint rather long; bristle long, slender, not hairy, its first joint obsolete, second very short: structure of the wing-veins like that of Duomyia.

CHROMATOMYIA, formosa, n. s., fem. *Ferruginea, thoracis disco abdomineque cyaneis, antennis ferrugineis, articulo 3° piceo, pedibus ferrugineis, tarsis subnigris, alis limpidis, basi costa venarumque marginibus fulvis.*

Head ferruginous, thinly clothed with short tawny hairs; eyes pitchy, not hairy; sucker ferruginous; palpi tawny, beset with black bristles: feelers ferruginous, not more than half the length of the face; third joint pitchy, slightly convex above and beneath, rounded at the tip, nearly twice the length of the second joint; bristle black, tawny at the base, nearly twice the length of the third joint; its third joint stout for less than one-fourth of the length, very slender from thence to the tip; chest and breast ferruginous, thinly clothed with short tawny hairs; disk of the chest blue, including a tawny stripe on the fore part; abdomen bright blue, smooth, shining, obconical, a little shorter and broader than the chest: legs ferruginous, clothed with short tawny hairs; feet blackish; foot-cushions dull tawny: wings colourless, tawny at the base, and on the fore

vein forming an acute angle with the fourth longitudinal vein, slightly curved inward near the base; almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower short and inward, the other long and outward; scales grayish with tawny borders. Length of the body 5 lines; of the wings 10 lines.

a. New Holland. Presented by the Earl of Derby.

Duomyia, n. g.

Body, linear, convex, narrow: head large, without bristles; face very large, furrowed; epistoma not prominent: sucker large: feelers shorter than the face; third joint long, compressed nearly linear; bristle not hairy, nearly twice the length of the third joint, its first joint obsolete; second very short: third slightly thickened at the base, slender and tapering from thence to the tip: 4th longitudinal vein not sending forth a tip cross-vein as in Tachina, but more resembling that of Anthomyia, and proceeding in a nearly straight line to the tip of the wing.

Duomyia obscura, n. s., fem. *Cyanea, capite thoracisque lateribus ferrugineis, abdomine purpureo, antennis nigris, pedibus ferrugineis, femoribus supra cyaneis, tibiis anticis tarsisque nigris, alis fuscis.*

Head pitchy and furnished with a few short white hairs above, yellow in front, ferruginous on the crown, whence a ferruginous stripe extends to the feelers; face pale yellow; grooves for the feelers white; eyes red, not hairy; sucker black, clothed with short tawny hairs; palpi black, beset with black bristles: feelers black; third joint flat above, very slightly convex beneath, rounded at the tip, nearly six times the length of the second joint: chest dark blue, shagreened, thinly covered with tawny down, ferruginous on each side; scutcheon smooth, shining, abdomen dark purple, very convex, punctured, shining, narrower and a little longer than the chest: legs ferruginous, stout, clothed with short hoary hairs; thighs blue above; fore shanks and feet black; foot-cushions tawny: wings dark brown, especially along the fore border; wing-ribs tawny; veins black, tawny at the base; fourth longitudinal vein forming a very obtuse angle at the junction of the lower cross-vein, joining the border a very little above the tip of the wing; lower cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight for half the length, slightly curved outward from thence to the tip; scales brownish. Length of the body 7 lines; of the wings 14 lines.

a. New Holland. Presented by J. Hunter, Esq.

DUOMYIA thalassina, n. s. fem. *Cyaneo-viridis, capite ferrugineo, antennis nigris, pedibus ferrugineis, femoribus viridibus, tarsis fulvis, alis subfulvis.*

Head ferruginous, pitchy about the base of the feelers, pale yellow in front; grooves of the feelers almost white: eyes red, not hairy: sucker black, clothed with short tawny hairs; palpi black, beset with black bristles; feelers black; slightly convex above and beneath, rounded at the tip: chest and abdomen dark bluish-green, thinly covered with tawny down: chest shagreened; scutcheon smooth, shining: abdomen punctured, obconical, shorter and narrower than the chest: legs ferruginous, clothed with short pale hairs; hips and thighs green; tips of thighs tawny; feet tawny, darker towards the tips: claws black: wings with a tawny tinge, which is deeper on the fore borders; wing-ribs and veins tawny; scales yellowish white with tawny borders; structure of the veins like that of *D. obscura*. Length of the body 5—6 lines; of the wings 11—12 lines.

a. ——— ?

CHROMATOMYIA, n. g.

Head without bristles; face large, forming a ridge; epistoma prominent: sucker large: feelers shorter than the face; third joint rather long; bristle long, slender, not hairy, its first joint obsolete, second very short: structure of the wing-veins like that of Duomyia.

CHROMATOMYIA, formosa, n. s., fem. *Ferruginea, thoracis disco abdomineque cyaneis, antennis ferrugineis, articulo 3° piceo, pedibus ferrugineis, tarsis subnigris, alis limpidis, basi costa venarumque marginibus fulvis.*

Head ferruginous, thinly clothed with short tawny hairs; eyes pitchy, not hairy; sucker ferruginous; palpi tawny, beset with black bristles: feelers ferruginous, not more than half the length of the face; third joint pitchy, slightly convex above and beneath, rounded at the tip, nearly twice the length of the second joint; bristle black, tawny at the base, nearly twice the length of the third joint; its third joint stout for less than one-fourth of the length, very slender from thence to the tip; chest and breast ferruginous, thinly clothed with short tawny hairs; disk of the chest blue, including a tawny stripe on the fore part; abdomen bright blue, smooth, shining, obconical, a little shorter and broader than the chest: legs ferruginous, clothed with short tawny hairs; feet blackish; foot-cushions dull tawny: wings colourless, tawny at the base, and on the fore

CHROMATOMYIA hilaris, n. s. *Ferruginea, thoracis disco nigro, abdomine viridi-cyaneo, antennis fulvis, articulo 3° pedibusque ferrugineis, tarsis apice nigris, alis limpidis fusco quadrimaculatis basi fulvis.*

Head ferruginous, thinly clothed with short tawny hairs, tawny in front; face yellow: eyes pitchy; mouth and palpi black: feelers tawny, shorter than the face; third joint ferruginous, more than twice the length of the second, pitchy towards the tip; bristle black, tawny towards the base, full twice the length of the third joint, rather stout for about one-sixth of its length, very slender from thence to the tip: chest black, clothed with short tawny hairs; sides, breast, and scutcheon ferruginous; sides of the scutcheon purplish-blue: abdomen obconical, greenish blue, smooth, shining, a little shorter than the chest: legs ferruginous, clothed with short tawny hairs; feet black towards the tips; foot-cushions pale tawny: wings colourless, tawny at the base; fore borders adorned with four brown spots; the first irregular, near the base; second descending towards the disk; third like a dot; fourth at the tip; wing-ribs tawny; veins black, tawny at the base: fourth longitudinal vein almost straight, joining the border just below the tip of the wing, forming a slightly obtuse angle with the lower cross-vein, which is nearly straight; scales white. Length of the body 4 lines; of the wings 8 lines.

a. New Holland? Presented by the Entomological Club.

CHROMATOMYIA apicalis, n. s. *Ferruginea, thoracis disco abdomineque viridi, hujus apice scutelloque fulvis, antennis pedibusque fulvis, femoribus tibiisque nigro maculatis, alis limpidis, basi costaque subfulvis.*

Head ferruginous, with black marks on the crown, tawny about the peristoma; face large, yellow: eyes pitchy: sucker black; palpi tawny, beset with long black bristles: feelers tawny, a little shorter than the face; third joint full four times the length of the second, nearly linear, slightly tapering from the base to the tip which is rounded: bristle black, tawny at the base, nearly twice the length of the third joint: chest green, clothed with short tawny hairs; sides and breast ferruginous; scutcheon tawny, armed with black bristles, adorned with a green spot in the middle of the fore border: abdomen obconical, green, smooth, shining, clothed with tawny hairs, not longer than the chest, tawny at the tip: legs tawny, clothed with tawny hairs; a black mark on each thigh; knees pitchy; two black marks on each shank whose tips are also black; tips of feet ferruginous; foot-cushions pitchy; claws tawny with black tips: wings long, colourless, with a slight tawny tinge at the base, and along

the fore border; wing-ribs tawny; veins pitchy, tawny towards the base; middle cross-vein stout; fourth longitudinal vein nearly straight, forming a slightly obtuse angle with the lower cross-vein, joining the border hardly below the tip of the wing; lower cross-vein straight for half the length, and having thence to the tip a hardly perceptible outward curve; scales whitish, with yellow borders Length of the body 3—4 lines; if the wings 7—9 lines.

a. West Australia. From Mr. Clifton's collection.

CHROMATOMYIA læta, n. s. *Cyaneo-viridis, capite ferrugineo, abdomine viridi, antennis ferrugineis, articulo 3° nigro, pedibus ferrugineis, femoribus anticis viridibus, tarsis anticis nigris, alis subcinereis basi costaque subfulvis.*

Head ferruginous, pitchy and roughly punctured on the crown, tawny in front, thinly clothed with tawny hairs; a few black bristles on the crown: eyes pitchy: sucker black, clothed with tawny hairs; palpi black, beset with tawny hairs: feelers ferruginous, nearly as long as the face; third joint black, about thrice the length of the second: chest and breast bluish green, clothed with short tawny hairs: chest shagreened; sides of the hinder part and the scutcheon beset with a few black bristles: abdomen obconical, green, shagreened, not longer than the chest, clothed with short tawny hairs: legs ferruginous; feet darker; claws black; foot-cushions pale tawny; fore thighs green; fore-shanks dark ferruginous; fore feet black: wings slightly gray, with a tawny tinge at the base and along the fore borders; wing-ribs tawny; veins black, tawny towards the base; cross-veins clouded with brown; fourth longitudinal vein nearly straight, but slightly bent at its junction with the cross-vein, joining the border at the tip of the wing; lower cross-vein straight for half the length, very slightly curved outward from thence to the tip; scales somewhat tawny. Length of the body 2½ lines; of the wings, 5 lines.

a. New Holland. Presented by the Haslar Hospital.

CHROMATOMYIA ? bicolor, n. s., fem. *Cyanea, angusta, viridi et purpureo varia, capite fulvo, antennis piceis, pedibus nigris, alis limpidis fusco trimaculatis.*

Body narrow, clothed with black hairs, and with a few black bristles: head tawny; disk of the crown pitchy; epistoma not prominent; sides of the face without bristles: eyes pitchy; fore part nearly flat; its facets larger than those elsewhere: sucker black: feelers pitchy, as long as the face; third joint linear, slender, rounded at the tip, full six times the length of the second joint: chest

elliptical: chest and abdomen deep blue tinged with purple and green; abdomen long-obconical, a little longer and narrower than the chest: legs black, clothed with short black hairs: wings colourless, pale brown at the base, adorned with three brown spots, the first extends from the fore border into the disk beyond the little cross-vein, the second covers the lower cross-vein, the third occupies the tip; wing-ribs and veins black; little cross-vein very oblique; lower cross-vein slightly curved outward near the base, straight from thence to the tip; scales small, pale yellow; poisers black. Length of the body 4 lines; of the wings 9 lines.

a. Para. Presented by Gordon Graham, Esq.

CHROMATOMYIA? distincta, n. s., fem. *Cinereo-nigra, lata, capite ferrugineo, pedibus alisque nigris.*

Body broad: head ferruginous, large on each side of the peristoma; crown prominent in front; epistoma not prominent; sides of the face without bristles: eyes small, pitchy, very convex; facets extremely small: sucker black: chest and abdomen dull black tinged with gray: chest clothed with short black hairs, shining on each side of the front: abdomen obconical, as long and as broad as the chest: legs black, clothed with short black hairs and bristles; foot-cushions pitchy: wings black; wing-ribs and veins black; third longitudinal vein slightly angular at its junction with the lower cross-vein; scales small? poisers black. Length of the body 3½ lines; of the wings 6 lines.

a. Monte Video. Presented C. Darwin, Esq.

ZONA, n. g.

Sucker very large: palpi short: feelers much shorter than the face; third joint twice the length of the second; bristle downy: chest lengthened and tapering in front: abdomen short and broad: legs rather long: wings long and narrow; middle cross-vein very oblique, tip cross-vein forming a slightly obtuse angle with the longitudinal vein.

ZONA violacea. Tephritis violacea, *G. R. Gray, Griffith's Cuv. Anim. King. Ins.* ii. *pl.* 128, *f.* 1.

a. ———?

ZONA pictipennis, n. s., fem. *Nigra, capite ferrugineo, abdomine cyaneo, palpis fulvis, antennis ferrugineis, pedibus nigris, alis subcinereis ad costam fuscis flavoque trimaculatis, disco fasciis duabus fuscis.*

Head bright ferruginous; epistoma slightly prominent; sides of the face without bristles: eyes black; fore part convex, its facets a little larger than those elsewhere: sucker pitchy, large, tawny at the tip; palpi tawny, beset with a few black bristles: feelers ferruginous, much shorter than the face; third joint tapering from the base to the tip which is conical, about twice the length of the second joint; bristle downy, twice the length of the third joint: chest black, lengthened in front into a neck which is ferruginous: abdomen dark blue, but little longer than broad, shorter and much broader than the chest: legs black, rather long, clothed with short black hairs and bristles; foot-cushions pitchy; fore thighs armed beneath with five stout spines: wings gray, long and narrow, dark brown and adorned with three yellow spots along the fore border; two oblique and irregular brown stripes pass from the fore border towards the hind border, where they are widened and joined together; wing-ribs and veins pitchy; third longitudinal vein not extending beyond the slightly obtuse angle which it forms with the tip cross-vein, the latter is much curved inward near the base, but almost straight from thence to the tip, which joins the border at the tip of the wing; little cross-vein very oblique; lower cross-vein straight along half the length from the base, slightly curved outward from thence to the tip; scales large, white with pale yellow borders; poisers black. Length of the body 7 lines; of the wings 16 lines.

a. Nepaul. From the Hardwicke bequest.
b. ———? From Mr. Children's collection.

TRIGONOSOMA. *G. R. Gray.*

TRIGONOSOMA perilampiformis, *G. R. Gray, Griffith's Cuv. Anim. Kingd. Ins.* ii. *pl.* 128, *f.* 2.
a. ———?

IDIA *Meigen.*

Group I. Idia, *Desv. Essai Myod.* 419.

IDIA xanthogaster, *Wied. Nov. Dipt. Gen.* 21. *Auss. Zweif.* ii. 349, 2. *Desv. Essai Myod.* 420, 1. *Jenson, Bull. Soc. Imp. Nat. Mosc.* iv. 339. iv. 339.
a. North Bengal. From Miss Campbell's collection.
b. ———?

IDIA Procula, n. s., fem. *Nigra, capite flavo-albo, thorace piceo, vittis quatuor cinereis, pectore chalybeo cupreoque vario, abdomine cupreo-nigro, lateribus cano maculatis, ventre basi fulvo, antennis pedibusque ferrugineis, femoribus nigris, alis sublimpidis basi subfuscis.*

Body black, clothed with black hairs and bristles: head adorned with a yellowish white covering, clothed beneath with white hairs; epistoma prominent; face hoary, its sides without bristles: eyes dark red: sucker black, clothed towards the tip with tawny hairs; palpi tawny, black and beset with black bristles towards the tip: feelers dark ferruginous, nearly as long as the face; third joint flat above, slightly convex beneath, truncated at the tip; bristle black, tawny towards the base, more than twice the length of the third joint: chest pitchy, adorned with four indistinct gray stripes; sides adorned with a pale tawny covering, which also adorns most part of the breast; the latter is tinged with steel and copper-colour; border of the scutcheon hoary: abdomen black, with a slight coppery tinge, nearly elliptical, a little broader and shorter than the chest; a large hoary spot on each side of every segment; underside tawny towards the base: legs black, clothed with black hairs and bristles; shanks and feet ferruginous; claws black; foot-cushions tawny: wings nearly colourless, pale brown at the base; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly waving from thence to the tip, joining the border just above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward: scales pale yellow. Length of the body 3½ lines; of the wings 6 lines.

a. Africa? From Mr. Children's collection.
b. ——— ?

IDIA fasciata, *Meig. Dipt.* v. 9, 1, *pl.* 42, *f.* 14—17. *Desv. Essai Myod.* 422, 6. *Macq. Hist. Nat. Dipt.* ii. 246, 1. I. lunatata, var?
a. France.

IDIA lunata, *Wied. Auss. Zweif.* ii. 351, 6. Musca lunata, *Fabr. Syst. Antl.* 292, 44. *Loew, Ent. Zeit. Stettin* v. 19, 1.
a. ——— ?

Group II. Rhinia, *Desv. Essai Myod.* 422.

IDIA testacea, *Macq. Hist. Nat. Dipt.* ii. 246, 3. Rhinia testacea, *Desv. Essai Myod.* 423, 1.
a. Isle of France.

IDIA australis, fem. *Nigra, subtus flava, abdomine ferrugineo, palpis nigris, antennis ferrugineis, pedibus nigris, alis subcinereis ad costam fulvis apice fuscis.*

Head black and shining above, pale yellow, and clothed with pale yellow hairs beneath, ferruginous on each side of the peristoma, which is slightly prominent; sides of the face without bristles: eyes dark red; fore part flat, its facets not larger than those elsewhere: sucker and palpi black: feelers ferruginous, much shorter than the face; third joint linear, conical at the tip, full four times the length of the second; bristle tawny: chest black, dull, clothed with short black hairs: breast pale yellow, clothed with pale yellow hairs: abdomen pale ferruginous, elliptical, shining, a little broader but not longer than the chest, darker above towards the tip: legs black, clothed with black hairs and bristles; feet towards the base and foot-cushions pitchy: wings slightly gray, tawny along the fore borders, brown at the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, joining the third longitudinal vein at a short distance from its tip; lower cross-vein straight at the base, slightly curved outward from thence to the tip; wing-ribs and veins tawny; scales pale yellow; poisers tawny. Length of the body 3½—4 lines; of the wings 6—7 lines.

a. New Holland. Presented by the Haslar Hospital.
b. ——— ?

Group III. Cosmina, *Desv. Essai Myod.* 423.

IDIA punctulata, *Wied. Nov. Dipt. Gen.* 22. *Dipt. Exot.* ii. 348, 1. *Jenson, Bull. Soc. Imp. Nat. Mosc.* iv. 341. Musca punctata, *Wied. Zool. Mag.* iii. 21, 30. Cosmina fuscipennis, *Desv. Essai Myod.* 423, 1.

a. South Africa. Presented Dr. A. Smith.

Group IV. Rhyncomya, *Desv. Essai Myod.* 424.

IDIA felina. Musca felina? *Fabr.* M. ruficeps? *Fabr. Syst. Antl.* 299, 77. M. concinna? *Germ. Faun.* x. 21. Tachina ruficeps, *Meig. Dipt.* iv. 319, 137. Tachina columbina, *Meig. Dipt.* iv. 319. Rhyncomya felina, *Desv. Essai Myod.* 424, 1. R. ruficeps, *Macq. Hist. Nat. Dipt.* ii. 247, 1. B. columbina? *Macq. Hist. Nat. Dipt.* ii. 248. Idia concinna, *Loew, Ent. Zeit. Stett.* v. 20, 2. I. speciosa? *Loew, Ent. Zeit. Stett.* v. 23, 3.
a. Albania. From Mr. Walker's collection.
b. ——— ?

IDIA obsoleta, *Wied. Auss. Zweif.* ii. 355, 12.
a. China. Presented by G. T. Lay, Esq.

IDIA Chrysippe, n. s., fem. *Viridis, micans, thoracis lateribus cyaneo purpureoque variis, scutello purpureo, abdomine aureo-viridi, antennis palpisque fulvis, pedibus ferrugineis, tarsis piceis, alis limpidis basi fulvis.*

Body beset with a few black hairs and bristles: head emerald green, slightly covered with white bloom, tawny on the crown, paler in front, adorned with golden bloom on each side of the face, clothed beneath with short yellow hairs; a broad pitchy furrowed stripe fringed with bristles between the eyelets and the feelers: sides of the face fringed with bristles at the base; epistoma very prominent, pale ferruginous, green towards the base; eyes dark red, convex; all the facets small: sucker black, pitchy and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers tawny, shorter than the face; third joint more than twice the length of the second, brown above: chest green, bluish and tinged with purple on each side; scutcheon, excepting the base, intense purple: abdomen golden-green, obconical, shorter than the chest, bluish green towards the base: legs ferruginous; feet pitchy; foot-cushions tawny: wings colourless, tawny at the base; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein a little without the perpendicular to the fourth longitudinal vein, with which it is rounded at the junction, curved outward at the base, and having a slight inward curve from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two long and almost imperceptible curves, the lower inward, the upper outward; scales slightly gray, with pale tawny borders. Length of the body 4½ lines; of the wings 10 lines.

a. ——— ?

MESEMBRINA, *Meigen.*

MESEMBRINA meridiana, *Meig. Dipt.* v. 11, 1, *pl.* 42, *f.* 25. *Desv. Essai Myod.* 401, 1. *Macq. Hist. Nat. Dipt.* ii. 274, 2, *pl.* 16, *f.* 19. *Zett. Ins. Lapp.* 652, 2. *Dipt. Scand.* iv. 1343, 2. Musca meridiana, *Linn. Syst. Nat.* ii. 989. *Faun. Suec.* 1827. *Gmel. Ed. Syst. Nat.* i. 5, 2838, 63. *Fabr. Sp. Ins.* ii. 435, 3. *Ent. Syst.* iv. 312, 2. *Syst. Antl.* 284, 3. *Deg. Ins.* vi. 55, 2. *Schrank, Ins. Austr.* 454, 922. *Faun. Boic.* iii. 2480. *Panz. Faun. Germ.* x. 17. *Fall. Musc.* 51, 30. *Reaum. Ins.* vi. pl. 12, *f.* 12, *pl.* 26, *f.* 6—10. *Harr. Ex.* 37, *pl.* 9, *f.* 9. *Geoff. Ins.* ii. 495, 5. *Schæff. Icon. pl.* 108, *f.* 7? *Herbst. Gen. Nat.* viii. 108, 11, *pl.* 340. *Stew. El.* ii. 257. *Turt.* iii. 597

Don. xiv. 16, *pl.* 471, *f.* 2. *Wood, Linn. Gen. Ins.* ii. 90 *pl.* 65.
ngland.
rance.
——? From Mr. Children's collection.

EMBRINA Latreillii, *Desv. Essai Myod.* 401, 2.
ova Scotia. From Lieut. Redman's collection.
t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

EMBRINA mystacea, *Meig. Dipt.* v. 12, 2, *pl.* 42, *f.* 26. *Desv. Essai Myod.* 401, 3. *Macq. Hist. Nat. Dipt.* ii. 273, 1. *Zett. Ins. Lapp.* 651, 1. *Dipt. Scand.* iv. 134, 1. Musca mystacea, var. *a. Linn. Faun. Suec.* 1793. *Fall. Musc.* 50, 29. M. bombylius, *Deg. Ins.* vi. 58, 1, *pl.* 8, *f.* 1—3. M. bombyloides, *Herbst. Gem. Nat.* viii. 106, 6, *pl.* 340. Syrphus apiarius, *Fabr. Ent. Syst.* iv. 280, 9. S. apiformis, *Panz. Faun. Germ.* 91, 20. Eristalis apiarius, *Fabr. Syst. Antl.* 231, 1.
apland. Presented by J. R. Crowe, Esq.
ten, Finmark. Presented by F. Walker, Esq.
nmark. From Mr. Children's collection.
——? From Mr. Children's collection.
aparanda. From Mr. Walker's collection.
rea, Switzerland. From Mr. Walker's collection.
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SARCOPHAGA, *Meigen.*

Group I. Peckia, *Desv. Essai Myod.* 335.

Group II. Theria, *Desv. Essai Myod.* 337.

Group III. Myophora, *Desv. Essai Myod.* 337.

* Fulvo terminatæ.

OPHAGA jejuna, n. s., fem. *Nigra, capite aureo micante, thoracis vittis quatuor scutellique margine pallidè fulvis, illius lateribus aureo vittatis, abdominis apice fulvo, ventre cano vittato, antennis pedibusque nigris, illorum articulo 3° piceo, pedibus nigris, alis subcinereis basi et ad costam fuscis.*

Body black, clothed with black hairs and bristles: head bright colour; face paler, its sides black, fringed at the base with bris- hinder head dull pale tawny: epistoma hardly prominent: pitchy: sucker black, pitchy and clothed with tawny hairs to-

wards the tip; palpi black, beset with black bristles: feelers black, shorter than the face; third joint pitchy, rather deep, very slightly convex above and beneath, rounded at the tip; bristle black, more than twice the length of the third joint, having a very short joint at the base, feathered for full half its length: chest adorned with four pale tawny stripes, and on each side with a golden stripe; breast partly clothed with dull pale tawny bloom; scutcheon and sides of the chest armed with black bristles; sides and hind border of the scutcheon pale tawny: abdomen oval, deep black, clothed with short black hairs, armed towards the tip with a few black spines, rather shorter but not broader than the chest, bright tawny at the tip, and having a hoary stripe along the whole length beneath: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray, brown at the base and along nearly half the length of the fore borders; wing-ribs and veins black; shoulders yellow; middle cross-vein clouded with brown; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip; lower cross-vein very slightly curved inward till near the tip, where it is more slightly curved outward; scales dark gray, with brown borders. Length of the body 8 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

SARCOPHAGA redux, n. s., fem. *Nigra, cano vestita, thoraci vittis tribus cinereis, abdomine maculis canis quadrivittato, apice pallidè rufo, antennis piceis, pedibus nigro-ferrugineis, tarsis nigris, alis limpidis.*

Body black, clothed with black hairs and bristles: head adorned with a hoary covering; a black furrowed stripe fringed with bristles between the eyelets and the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes bright red: sucker dark tawny: palpi black, beset with black bristles: feelers pitchy, a little shorter than the face; third joint linear, truncated at the tip, nearly thrice the length of the second joint: chest and breast hoary: chest adorned with three gray indistinct stripes, the middle one slender: abdomen oval, gray, a little broader but not longer than the chest, adorned with hoary reflections, which are disposed on each side in two rows of large irregular spots, the middle being occupied by a slender black stripe; tip pale red: legs black, clothed with black hairs and bristles; thighs and shanks very dark ferruginous, covered with gray, which has a tawny tinge; foot-cushions pitchy: wings colourless; wing-ribs tawny; veins pitchy, tawny towards the base; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, much curved inward near the base, straight

thence to the tip, joining the border at some distance above the f the wing; lower cross-vein with two slight curves, the lower rd, rather more distinct than the other, which is outward; s white, with pale yellow borders. Length of the body 4½ ; of the wings 9 lines.

ape. Presented by the Earl of Derby.

OPHAGA prædo, n. s., fem. *Nigra, capite flavo-fulvo, thoraci vittis quatuor canis, abdomine maculis albis quadrivittato, apice rufo, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head dark y above, yellow in front, clothed beneath with pale yellow ; a black stripe fringed with bristles between the eyelets and eelers; epistoma slightly prominent; sides of the face fringed bristles at the base; eyes red: palpi black, beset with black es: feelers black, a little shorter than the face; third joint full e the length of the second flat above, slightly convex beneath, led at the tip; bristle about twice the length of the third joint, ered with long hairs till near the tip: chest adorned with four stripes: breast mostly gray: abdomen obconical, a little ler, but not longer than the chest, adorned with white reflec- which are disposed in four rows of irregular spots; tip red a yellow covering: legs black, clothed with black hairs and es; foot-cushions tawny: wings slightly gray; shoulders yel- wing-ribs and veins black; tip cross-vein forming hardly less a right angle with the fourth longitudinal vein, slightly curved rd at the base, almost straight from thence to the tip, joining order at some distance above the tip of the wing; lower cross- with two very slight curves, the lower inward, the other out- ; scales whitish with yellowish white borders. Length of the 5½ lines; of the wings 10 lines.

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OPHAGA VORAX, n. s., fem. *Nigra, capite albo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis fulvo-canis quadrivittato, apice fulvo, antennis pedibusque nigris, alis sub-limpidis.*

Body black, clothed with black hairs and bristles: head ned with a white silky covering; a black stripe fringed with es between the eyelets and the feelers: eyes pitchy: sucker and black, the latter beset with black bristles: epistoma not pro- nt: feelers black, a little shorter than the face; third joint more four times the length of the second, nearly linear, but slightly

decreasing in depth from the base to the tip, which is slightly truncated; bristle more than twice the length of the third joint, feathered for less than two-thirds of its length: chest tinged with gray, adorned with four broad hoary stripes, the middle pair double; scutcheon hoary with a black stripe in the middle, and a tawny tinge along the hind border; breast hoary: abdomen oval, a little broader but not longer than the chest, adorned with hoary reflections which have a very slight tawny tinge, and are disposed on each side in two rows of large irregular spots, the middle being occupied by a slender black stripe; tip tawny: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray: wings nearly colourless; shoulders yellow; wing-ribs pitchy; veins black, pitchy at the base; scales white, with yellowish-white borders. Length of the body 5 lines; of the wings 10 lines.

a. Cape.

Sarcophaga Thornax, n. s., fem. *Cinerea, capite aureo, thorace, vittis tribus flavo-fuscis ornato, pectore cano, abdomine fulvo-cano apice fulvo, palpis antennisque nigris, pedibus nigro-ferrugineis, tarsis nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head bright golden, gray beneath and behind; a black stripe between the eyelets and the feelers; epistoma not prominent: face hoary, its sides fringed with black bristles along half the length: eyes red; fore part flat, its facets larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rounded at the tip, full four times the length of the second; bristle feathered for more than half the length from the base: chest gray, adorned with three yellowish brown stripes: breast hoary; abdomen hoary, obconical, a little broader, but not longer than the chest, adorned with tawny reflections which are most apparent towards the tip, the latter is tawny and covered with golden bloom: legs dark ferruginous, clothed with black hairs and bristles; feet black: foot-cushions tawny: wings slightly gray; shoulders pale yellow: wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, straight from thence to the tip; scales white with pale yellow borders. Length of the body 3½ lines: of the wings 8 lines.

a. ——— ?

* * Rufoterminatæ.

† Fulvovittatæ.

PHAGA immanis, n. s., fem. *Nigra, capite aureo, thoracis ttis quatuor, scutellique margine fulvis, abdominis segmentorum arginibus anticis subcanis, apice fulvo vestito, antennis nigro-ceis, pedibus nigris, alis subcinereis basi fulvis.*

ody black, clothed with short black hairs: head golden clothed beneath with pale tawny hairs; a pitchy stripe fringed ristles between the eyelets and the feelers, sides of the face fringed with bristles for more than half the length, the bristles ing in length to the base; epistoma tawny, rather prominent; rk red, fore part flat, its facets a little larger than those else- sucker pitchy, clothed with tawny hairs; palpi pitchy with nous tips, beset with black bristles: feelers pitchy, a little than the face; bristle pitchy, feathered nearly to the tip, longer than the third joint: chest adorned with four tawny which are partly gilded: breast covered with tawny bloom; eon and sides of the chest armed with black spines; sides and order of the scutcheon pale tawny: abdomen obconical, not but much broader than the chest, armed with black spines s the tip, which is covered with tawny bloom; fore borders of ments somewhat hoary: legs black, clothed with short black knees ferruginous; shanks armed on the outer side with black foot-cushions pale tawny: wings slightly gray, tawny at the houlders yellow; wing-ribs tawny; veins pitchy, black towards s; tip cross-vein forming a very acute angle with the fourth dinal vein, much curved inward at the base, straight from to the tip; lower cross-vein nearly straight till towards the ere it is curved outward, very slightly clouded with brown; whitish, with pale tawny borders. Length of the body 9 lines; wings 18 lines.

nduras. From Mr. Dyson's collection.

PHAGA cruentata, *Meig. Dipt.* v. 28, 23. *Macq. Hist. Nat. ipt.* ii. 225, 6. *Zett. Dipt. Scand.* iv. 1298, 18. S. rufi-uda, *Zett. Ins. Lapp.* 650, 4.

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PHAGA hæmorrhoa, *Meig. Dipt.* v. 29, 24. *Macq. Hist. Nat. ipt.* ii. 225, 7. *Zett. Dipt. Scand.* iv. 1298, 19. Myophora emorrhoa, *Desv. Essai Myod.* 344, 21.

nce?

SARCOPHAGA ingens, n. s., fem. *Nigra, capite aureo, thoraci vittis quatuor, scutello pectoreque fulvis, abdomine maculis cinereis quadrivittato, apice fulvo, antennis piceis, articulo 3° basi ferrugineo, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with a gold covering, clothed beneath with yellow hairs: a black stripe between the eyelets and the feelers; epistoma tawny, not prominent; sides of the face fringed with bristles at the base: eyes red: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi black, beset with black bristles: feelers pitchy, about two-thirds of the length of the face; third joint ferruginous at the base, slightly convex above and beneath, almost truncated at the tip; bristle black, full twice the length of the third joint, feathered for more than two-thirds of its length: chest adorned with four pale tawny stripes; border of the scutcheon, and most part of the breast pale tawny: abdomen obconical, a little broader, but not longer than the chest, adorned with gray reflections which are disposed in four rows of large irregular spots; penultimate segment ferruginous towards the tip; last segment tawny: legs black, clothed with black hairs and bristles; thighs slightly tinged with gray; foot-cushions tawny: wings slightly gray; shoulders yellow; wing-ribs pitchy: veins black, pitchy at the base; tip cross-vein forming a little less than a right angle with the fourth longitudinal vein, much curved inward at base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, less distinct than the other, which is outward; scales dingy white with pale yellow borders. Length of the body 5½ lines; of the wings 11 lines.

a. ——— ? From Mr. Children's collection.

SARCOPHAGA musca. Myophora musca, *Desv. Essai Myod.* 363, 70.

a. New Holland. Presented by the Haslar Hospital.

SARCOPHAGA lineata, *Meig. Dipt.* v. 26, 17. *Zett. Dipt. Scand.* iv 1294, 14. Musca lineata, *Fall. Musc.* 40, 5.

a. France?

SARCOPHAGA inops, n. s. fem. *Nigra, capite aureo, thoraci vittis quatuor auratis, scutelli margine postico pectoreque canis, abdomine cyaneo-nigro maculis canis quadrivittato, apice obscure rufo, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles, head adorned with a bright golden covering; a black stripe fringed with bristles

een the eyelets and the feelers; epistoma slightly prominent; of the face fringed with bristles at the base: eyes red: sucker , pitchy and clothed with tawny hairs towards the tip; palpi , beset with black bristles: feelers black, a little shorter than ace; third joint nearly linear, flat above, very slightly convex th, rounded at the tip, more than thrice the length of the second ; bristle more than twice the length of the third joint, feathered ear the tip: chest adorned with four gilded stripes, these ne paler as they approach the scutcheon which has a hoary r: breast hoary, golden on each side: abdomen oval, bluish , a little broader but hardly longer than the chest; each seg- adorned with four large hoary spots, underside grayish; tip red: legs black, clothed with black hairs and bristles; thighs ly gray; foot-cushions pitchy: wings gray; shoulders yellow; ribs pitchy; veins black, pitchy towards the base; tip cross- forming an acute angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, g the border at some distance above the tip of the wing; cross-vein with two very slight curves, the lower inward, rather distinct than the other, which is outward; middle cross-vein ed with brown; scales white, with pale yellow borders. Length body 6 lines; of the wings 11 lines.

——? From Mr. Children's collection.

PHAGA stimulans, n. s., fem. *Nigra, capite supra aureo, tho- aci vittis quatuor scutello lateribus pectoreque canis, abdomine naculis canis quadrivittato, apice pallidè rufo, antennis pedi- usque nigris, illorum articulo 3º apice rufo, alis subcinereis.*

ly black, clothed with black hairs and bristles: head adorned pale golden covering, hoary behind, beneath and on the face, sides are fringed with bristles at the base; a gray stripe en the eyelets and the feelers; epistoma tawny, not promi- eyes red: sucker pitchy, clothed with tawny hairs; palpi , beset with black bristles: feelers black, a littler shorter than ce; second joint red at the tip above; third more than twice ngth of the second; flat above, very slightly convex beneath, ted at the tip; bristle more than twice the length of the third feathered for near two-thirds of its length: chest adorned with oary stripes; inner pair double; sides, scutcheon, and breast : abdomen nearly elliptical, a little shorter and broader than est, adorned with hoary reflections, which are disposed in four of large irregular spots; tip pale red: legs black, clothed with hairs and bristles; thighs and shanks tinged with gray; foot- ons pale tawny: wings slightly gray; shoulders and wing-ribs

tawny; veins black, tawny at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, straight from thence to the tip; scales white. Length of the body 2¾ lines; of the wings 5½ lines.

a. North America? Presented by the Entomological Club.

SARCOPHAGA rapax, n. s., fem. *Nigra, capite argenteo, thoraci vittis quatuor lateribus scutello pectoreque cinereis, abdomine maculis fulvo-cinereis quadrivittato, apice ultimo rufo, antennis pedibusque nigris, tibiis piceis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with silvery lustre; a black stripe fringed with bristles between the eyelets and the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint about twice the length of the second, flat above, very slightly convex beneath, rounded at the tip; bristle more than twice the length of the third joint, feathered for two-thirds of its length: chest adorned with four gray stripes; sides, breast, and scutcheon gray: abdomen nearly elliptical, a little shorter and broader than the chest, adorned with gray reflections, which have a slight tawny tinge, and are disposed in four rows of large irregular spots; extreme tip red: legs black, clothed with black hairs and bristles; shanks pitchy; foot-cushions tawny: wings slightly gray; shoulders and wing-ribs tawny; veins black, pitchy at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight: scales white. Length of the body 1½ line; of the wings 3 lines.

a. North America? Presented by the Entomological Club.

SARCOPHAGA anxia, n. s., fem. *Nigra, capite aureo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis fulvo-canis quadrivittato, apice rufo, antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned with a golden covering; a black stripe fringed with bristles from the eyelets to the feelers; peristoma and epistoma ferruginous; epistoma not prominent: eyes red: sucker pitchy, clothed with taw-

irs; palpi black, slender, beset with black bristles: feelers nearly as long as the face; third joint linear, obliquely trun- at the tip, thrice the length of the second joint; bristle more twice the length of the third joint, feathered for less than two- of its length: chest adorned with four hoary stripes; inner ouble; scutcheon and breast hoary: abdomen nearly ellipti- orter and a little broader than the chest, adorned with hoary ions, which have a slight tawny tinge, and are disposed in ows of large irregular spots; tip pale red: legs black, clothed black hairs and bristles; thighs tinged with gray; foot- ns tawny: wings nearly colourless; shoulders tawny; wing- itchy; veins black; tip cross-vein forming a right angle with urth longitudinal vein, slightly curved inward at the base, ht from thence to the tip, joining the border at some distance the tip of the wing; lower cross-vein with two slight curves, wer inward, more distinct than the other, which is outward; white, with yellowish white borders. Length of the body lines; of the wings 6—6½ lines.

th America? Presented by the Entomological Club.

PHAGA importuna, n. s., fem. *Nigra, capite cano, thoraci vit- s quatuor lateribus scutello pectoreque canis, abdomine maculis lvo-canis quadrivittato, apice rufo, antennis pedibusque nigris, biis piceis, alis subcinereis.*

ody black, clothed with black hairs and bristles: head hoary; stripe between the feelers and the eyelets; epistoma not pro- t; sides of the face fringed with bristles at the base: eyes red: black, clothed with tawny hairs; palpi black, beset with bristles: feelers black, shorter than the face; tip of the se- oint red above; third joint more than twice the length of the , flat above, very slightly convex beneath, truncated at the ristle much more than twice the length of the third joint, fea- for full two-thirds of its length: chest adorned with four stripes, which occupy nearly the whole of the back; inner ouble; sides, scutcheon, and breast hoary: abdomen oval, a roader but not longer than the chest, adorned with hoary re- ns, which have a slight tawny tinge, and are disposed in four f large irregular spots; tip red: legs black, clothed with hairs and bristles; thighs and shanks tinged with gray; pitchy; foot-cushions pale tawny: wings slightly gray; ers tawny; wing-ribs pitchy; veins black; tip cross-vein g hardly less than a right angle with the fourth longitudinal urved inward near the base, straight from thence to the tip, the border at some distance above the tip of the wing;

lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 3 lines; of the wings 6 lines.

a. North America? Presented by the Entomological Club.

†† Cano-vittatæ.

SARCOPHAGA hæmorrhoidalis, *Meig. Dipt.* v. 28, 22. *Macq. Hist. Nat. Dipt.* ii. 224, 5. *Zett. Dipt. Scand.* iv. 1297, 17. *Harr. Ex. pl.* 25, *f.* 14. Musca, &c., *Geoff. Ins.* ii. 527, 65. M. hæmorrhoidalis, *Fall. Musc.* 39, 2. Myophora hæmorrhoidalis, *Desv. Essai Myod.* 340, 7.

a. England.
b. France.
c. Malta.
d. ——? From Mr. Children's collection.

SARCOPHAGA plinthopyga, *Wied. Auss. Zweif.* ii. 360, 10. *Walker. Linn. Trans.* xvii. 352, 57.

a. Demerara. Presented by J. S. Bowerbank, Esq.
b. Jamaica. From Mr. Gosse's collection.
c. Nova Scotia. From Lieut. Redman's collection.

SARCOPHAGA mauritiana, *Macq. Dipt. Exot.* ii. 2, 99, 5.

a. Isle of France.

SARCOPHAGA affinis, *Meig. Dipt.* v. 30, 27, *pl.* 43, *f.* 10. *Zett. Dipt. Scand.* iv. 1293, 13. Musca affinis, *Fall. Musc.* 39, 4. Agria punctata? *Desv. Essai Myod.* 377, 1. A. affinis? *Macq. Hist. Nat. Dipt.* ii. 229, 1, *pl.* 16, *f.* 3.

a. ——? From Mr. Children's collection.

SARCOPHAGA hæmatodes, *Meig. Dipt.* v. 29, 25. *Macq. Hist. Nat. Dipt.* ii. 225, 8. *Zett. Ins. Lapp.* 650, 5. *Dipt. Scand.* iv. 1299, 20. Musca hæmorrhoidalis, *Fall. Musc.* 39, 2. Genuina.

a. ——? From Mr. Children's collection.

SARCOPHAGA ruficornis, *Wied. Auss. Zweif.* ii. 358. Musca ruficornis, *Fabr. Ent. Syst.* iv. 314, 6. *Syst. Antl.* 287, 12. Myophora fulvicornis, *Desv. Essai Myod.* 341, 12.

a. North Bengal. From Miss Campbell's collection.
b. ——?

SARCOPHAGA Africa, *Wied. Anal. Entom.* 49, 103. *Auss. Zweif.* ii. 356, 3.

a. South Africa. Presented by Dr. A. Smith.
b. Sierra Leone. Presented by the Rev. D. F. Morgan.

OPHAGA ægra, n. s., fem. *Nigra, capite flavo-albo vestito, thoraci vittis quatuor scutelloque fulvo-canis, pectore cinereo, abdomine maculis fulvo-canis quadrivittato, antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned a yellowish white covering, clothed beneath with hoary hairs; ck stripe fringed with bristles between the eyelets and the s; epistoma pale yellow, not prominent; sides of the face ed with bristles at the base: eyes pitchy; fore part nearly flat, cets larger than those elsewhere: sucker black, clothed at the ith tawny hairs; palpi black, beset with black bristles: feelers , shorter than the face; third joint flat above, very slightly x beneath, rounded at the tip; bristle more than twice the h of the third joint, feathered for two-thirds of its length: chest ed with four hoary bands, which have a slight tawny tinge; pair single; scutcheon of the above-mentioned colour, slightly at the tip; breast gray: abdomen oval, a little broader, but onger than the chest, adorned with hoary reflections, which a slight tawny tinge, and are disposed in four rows of irre- spots: legs black, clothed with black hairs and bristles; s and shanks tinged with gray; foot-cushions pitchy: wings colourless; shoulders yellow; wing-ribs pitchy; veins black, towards the base; tip cross-vein forming a slightly acute with the fourth longitudinal vein, much curved inward at the straight from thence to the tip, joining the border at some dis- above the tip of the wing; lower cross-vein with three curves, wer outward and very slight, the second distinct and inward, ird slight and outward; scales white, with pale tawny borders. th of the body 5 lines; of the wings 10 lines.

assachusetts. From Professor Sheppard's collection.

OPHAGA collinaris. Myophora collinaris, *Desv. Essai Myod.* 345, 26.
ance.

OPHAGA, querula, n. s., mas. *Nigra, capitis lateribus ferrugineis, thoraci vittis quatuor scutello pectoreque cinereis, abdomine maculis canis quadrivittato, antennis piceis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head ferru- s on each side of the face, with a hoary tinge beneath; disk of ace white, its sides fringed with bristles at the base; epistoma what tawny, not prominent: eyes pitchy: sucker black, ed towards the tip with tawny hairs; palpi black, beset with

black bristles: feelers pitchy, shorter than the face; third joint about thrice the length of the second, flat above, very slightly convex beneath, rounded at the tip; bristle black, feathered for near two-thirds of its length, about twice the length of the third joint: chest adorned with four gray stripes; middle pair double: scutcheon and breast gray; disk of the former black: abdomen oval, as long as the chest, but broader, adorned with hoary reflections, which are disposed in four rows of large irregular spots; tip red: legs black, clothed with black hairs and bristles; foot-cushions dark pitchy: wings slightly gray; shoulders tawny; wing-ribs pitchy; veins black; tip cross-vein forming a little less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein almost straight, but having two very indistinct curves, the lower inward, the other outward; scales dingy white, with pale yellow borders. Length of the body 3—4 lines; of the wings 6—8 lines.

a. North America? Presented by the Entomological Club.

SARCOPHAGA avida, n. s., fem. *Nigra, capite aureo subtus cano, thoraci vittis quatuor scutelloque fulvo-canis, abdomine maculis canis fulvo auroque micantibus quadrivttato, apice rufo, antennis pedibusque nigris, alis limpidis.*

Body black, clothed with black hairs and bristles: head with a golden tawny covering, hoary beneath; a broad black slightly furrowed stripe between the eyelets and the feelers; face dark gray: its sides somewhat ferruginous, fringed with bristles at the base: sucker black, clothed with tawny hairs; palpi black, beset with black bristles; eyes red: feelers black, nearly as long as the face: second joint ferruginous at the tip; third linear, rounded at the tip, nearly twice the length of the second; bristle much more than twice the length of the third joint, feathered along half its length from the base: chest adorned with four broad hoary stripes, which have a tawny tinge; the middle pair double: breast mostly hoary; scutcheon hoary with a tawny tinge, armed with some long black spines: abdomen elliptical, shining, not longer than the chest, tessellated with four rows of irregular spots of hoary lustre, these spots are tawny in some parts, and have a golden hue on each side; tip of the abdomen bright pale red; underside hoary: legs black; clothed with black hairs and bristles; foot-cushions tawny; a slight hoary tinge on the thighs, and on the shanks: wings colourless; shoulders tawny: wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, slightly curved inward near the base, almost straight

thence to the tip, joining the border at a short distance above tip of the wing; lower cross-vein with a very short and slight ward curve at the base, this is succeeded by a long but hardly eptible outward curve which continues till near the tip, where e is an equally slight outward curve; scales white, with pale ow borders; poisers tawny. Length of the body 4 lines; of the gs 8 lines.

Nova Scotia. From Lieut. Redman's collection.

COPHAGA rediviva, n. s., fem. *Nigra, capite antico aureo, thoraci vittis quatuor canis, pectore cinereo, abdomine maculis fulvo-canis quadrivittato, apice rufo, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head golden front; epistoma not prominent; sides of the face fringed with tles at the base; eyes dark red: sucker black, clothed with tawny rs; palpi black, beset with black bristles: feelers black, a little rter than the face; third joint about thrice the length of the ond, slightly increasing in depth from the base to the tip, which ounded; bristle about twice the length of the third joint, fea-red for near two-thirds of its length: chest adorned with four ry stripes; inner pair double: breast gray; abdomen elliptical, ittle longer than the chest, adorned with hoary reflections which e a tawny tinge, and are arranged in four rows of large irregular ts; tip red: legs black, clothed with black hairs and bristles; ghs tinged with gray; foot-cushions tawny: wings slightly gray; ulders pale yellow; wing-ribs pitchy; veins black, pitchy at the se; tip cross-vein forming a right angle with the fourth longitu-al vein, curved inward near the base, straight from thence to the , joining the border at some distance above the tip of the wing; ver cross-vein with two slight curves, the lower inward, much ger than the other, which is outward; scales pale gray, with vny borders. Length of the body 4 lines; of the wings 8 lines.

St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RCOPHAGA rabida, n. s., fem. *Nigra, capite pallidè aureo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis canis quadrivittato apice rufo, antennis piceis articulis 2° apice 3°que basi ferrugineis, pedibus nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned th a pale gold covering; a black stripe fringed with bristles tween the eyelets and the feelers; epistoma not prominent; sides the face fringed with bristles at the base: eyes dark red: sucker

ferruginous, clothed with tawny hairs, palpi pitchy, beset with black bristles: feelers pitchy, shorter than the face; second joint at the tip, and third at the base, ferruginous; third linear, truncated at the tip, about twice the length the second; bristle tawny, black and stout for more than one-third of the length from the base, feathered till near the tip, almost twice the length of the third joint: chest adorned with four hoary stripes; the inner pair double, narrower than the outer pair; breast and scutcheon mostly hoary: abdomen nearly elliptical, a little broader, but not longer than the chest, tessellated with hoary reflections, which are disposed in four rows of irregular spots; underside mostly hoary; tip—especially beneath—bright red: legs black, clothed with black hairs and bristles; thighs tinged with gray; foot-cushions pale tawny: wings nearly colourless, with a pale yellow tinge at the base; shoulders and wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a nearly right angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward and hardly perceptible, the other outward; scales white. Length of the body 4 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

SARCOPHAGA acerba, n. s., fem. *Nigra, capite supra subaureo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis pallidè fulvis quadrivittato, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head adorned with very pale golden colour, hoary and partly clothed with pale yellow hairs beneath; a black stripe fringed with bristles between the eyelets and the feelers; face fringed with hairs at the base: epistoma tawny, slightly prominent: eyes dark red: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint flat above, very slightly convex beneath, truncated at the tip, more than twice the length of the second joint; bristle full twice the length of the third joint, stout for one-third, and feathered for two-thirds of its length: chest adorned with four hoary stripes, the inner pair double, narrower than the outer pair; scutcheon and breast mostly hoary: abdomen nearly elliptical, broader and a little longer than the chest, adorned with pale tawny reflections, which are disposed in four rows of irregular spots; tip red: legs black, clothed with black hairs and bristles: foot-cushions pitchy: wings gray; shoulders dark tawny: wing-ribs

veins black, pitchy towards the base; tip cross-vein forming ngle with the fourth longitudinal vein, curved inward near , almost straight or with a very slight outward inclination nce to the tip, joining the border a little above the tip of the ›wer cross-vein with two very slight curves, the lower in- nger and less distinct than the other, which is outward; ay, with dull tawny borders. Length of the body 3½ lines; ngs 7 lines.

Scotia. From Lieut. Redman's collection.

IAGA aspera, n. s., fem. *Cinereo-nigra, thoraci vittis qua- scutelloque canis, abdomine maculis canis ad apicem fulves- ibus quadrivittato, apice rufo, antennis piceis, articulo 3° ferrugineo, pedibus nigris, alis subcinereis.*

ly black, clothed with black hairs and bristles: head tinged with grayish tawny; epistoma somewhat tawny, not promi- des of the face fringed with bristles at the base: eyes bright ker black, clothed at the tip with tawny hairs; palpi black, ped, beset with black bristles: feelers pitchy; third joint n twice the length of the second, ferruginous at the base, e, very slightly convex beneath, rounded at the tip; bristle athered for near two-thirds its length, more than twice the f the third joint: chest adorned with four broad hoary the inner pair double; scutcheon hoary; breast gray; al- early elliptical, a little shorter and broader than the ches with hoary reflections, which have a tawny tinge towa and are disposed in four rows of large irregular spots; t s black, clothed with black hairs and bristles; thighs a inged with gray; foot-cushions tawny: wings slightly gray; s and wing-ribs tawny; veins black, tawny at the base; tip n forming a hardly obtuse angle with the fourth longitudi- , curved inward near the base, straight from thence to the ng the border at some distance above the tip of the wing; ss-vein hardly curved outward at the base, straight from ll near the tip, when it is rather more distinctly curved out- ales dingy white, with pale yellow borders. Length of the —3½ lines; of the wings 5—7 lines.

. —? Eyes pitchy.

America? Presented by the Entomological Club.

SARCOPHAGA violenta, n. s., fem. *Nigra, capite supra nigro-fusco, thorace vittato, abdomine cano-nigro tessellato, palpis nigris, antennis piceis basi ferrugineis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head dark brown above, adorned with hoary lustre, clothed behind and beneath with hoary hairs; a pitchy stripe widening from the eyelets to the feelers; epistoma white, slightly prominent; face white, its sides beset with a few bristles along half the length: eyes pitchy; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi long, black: feelers nearly as long as the face; first and second joints ferruginous; third joint pitchy, linear, almost truncated at the tip, full four times the length of the second; bristle black, feathered for half the length, twice the length of the third joint: chest and breast hoary; chest striped: abdomen obconical, hoary, longer and narrower than the chest, adorned with a black stripe; hind borders of the segments also black; an interrupted black stripe on each side; a few black spines towards the tip, which is red: legs black, clothed with black hairs and bristles; thighs slightly hoary; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black; tip cross-vein forming a right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the other outward; scales whitish, with pale yellow borders. Length of the body 3½ lines; of the wings 7 lines.

a. Galapagos. Presented by C. Darwin, Esq.

*** Nigro-terminatæ.

† Fulvo-vittatæ.

SARCOPHAGA prædatrix, n. s., fem. *Nigra, capite thoracique vittis quatuor fulvis, pectore pilis fulvis vestito, abdomine fulvo tessellato, antennis pedibusque nigris, illorum articulo 3° piceo, alis subcinereis basi flavis.*

Body black, clothed with black hairs and bristles: head pale tawny, clothed in front and beneath with pale tawny hairs; a black stripe fringed with black bristles between the eyelets and the base of the feelers; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker black, clothed with pale tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint pitchy, linear, rather deep, truncated at the tip, about thrice the length of the second joint; bristle pitchy, black at the base, almost twice the length of the third joint, feathered for more than half its length: chest with

broad tawny stripes, the middle pair double; scutcheon and of the chest armed with black spines; breast clothed with tawny hairs: abdomen oval, tawny, tessellated with darker co- and having a slender black stripe on the back, a little shorter broader than the chest: legs black, covered with dark tawny n, clothed with black hairs and bristles; foot-cushions tawny: s slightly gray, yellow at the base; shoulders yellow; wing- ferruginous; veins black, ferruginous towards the base; tip -vein forming hardly less than a right angle with the fourth tudinal vein, much curved inward near the base, straight from e to the tip, joining the border at some distance above the tip wing; lower cross-vein with two very slight curves, the lower and inward, the other short and outward; scales whitish, with tawny borders. Length of the body 5 lines; of the wings 10

rt Essington. From Mr. Gould's collection.

OPHAGA varia, *Walk. Linn. Trans.* xvii. 353, 60.
rt Famine. Presented by the Entomological Club.

OPHAGA gravis, n. s., fem. *Nigra, capite aureo-fulvo, thoraci vittis quatuor lateribus scutelloque fulvis, pectore fulvo-cinereo, abdomine fulvo tessellato, apice subtus ferrugineo, antennis pedibusque nigris, illorum articulo 3° piceo, alis cinereis.*

Body black, clothed with black hairs and bristles: head gold- wny, clothed beneath with pale tawny hairs; a black stripe ed with bristles between the eyelets and the feelers; epistoma r prominent; sides of the face fringed with bristles for half the h from the base: eyes dark red: sucker black, clothed with y hairs; palpi black, with ferruginous tips, beset with black es: feelers black, a little shorter than the face; third joint y, less than twice the length of the second, linear, or very tly decreasing in depth from the base to the tip, which is led; bristle pitchy, tapering, rather less than twice the length e third joint, feathered till near the tip: chest adorned with broad tawny stripes, the middle pair double; breast hoary, with wny tinge; scutcheon and sides of the chest tawny, armed with spines: abdomen nearly elliptical, tawny with darker reflec- slightly tessellated, armed at the tip with black spines, ler but not longer than the chest; underside of the last seg- ferruginous: legs black, clothed with black hairs and bristles; ferruginous at the base; foot-cushions tawny: wings gray; ders tawny; wing-ribs and veins pitchy; veins black towards ps; tip cross-vein forming an acute angle with the fourth lon-

gitudinal vein, much curved inward near the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein almost straight till near the tip, where it is slightly curved outward; scales slightly gray, with dark tawny borders. Length of the body 8 lines; of the wings 16 lines.

a. ——— ? Presented by Sir E. Belcher.

SARCOPHAGA striata, *Meig. Dipt.* v. 21, 7. *Macq. Hist. Nat. Dipt.* ii. 226, 12. *Zett. Dipt. Scand.* iv. 1286, 3. Musca striata. *Fabr. Ent. Syst.* iv. 315, 13. *Syst. Antl.* 288, 20. M. pernix? *Harr. Ex.* 84, *pl.* 25, *f.* 13. M. carnaria, var. *Fall. Musc.* 38, 1. Myophora striata, *Desv. Essai Myod.* 352, 49.
a. England.

SARCOPHAGA chrysostoma, *Wied. Auss. Zweif.* ii. 356, 2.
a. Brazil. Presented by Sir C. Stewart.
b. Brazil.
c. ——— ?

SARCOPHAGA impatiens, n. s., fem. *Nigra, capite aureo micante, thoraci vittis quatuor scutello pectoreque fulvis, scutello macula nigra, abdomine maculis cinereo-fulvis quadrivittato, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head with a very bright gold covering, clothed beneath with bright golden hairs: a black stripe between the eyelets and the feelers; sides of the face fringed with bristles at the base: eyes red: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint about thrice the length of the second, dark ferruginous at the base beneath, rather deep, flat above, very slightly convex beneath, rounded at the tip; bristle tapering, less than twice the length of the third joint, its first joint obsolete; second joint very short; third joint feathered nearly to the tip: chest adorned with four broad tawny stripes; middle pair double, narrower than the outer pair; scutcheon tawny, with a large obconical black spot on its disk; breast duller tawny: abdomen obconical, a little broader but not longer than the chest, tessellated with grayish tawny reflections, which are disposed in four rows of irregular spots; underside gray: legs black, clothed with black hairs and bristles; thighs tinged with grayish tawny; foot-cushions pitchy: wings slightly gray; shoulders tawny; wing-ribs pitchy: veins black; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, where it is very slightly inclined

rd, joining the border at some distance above the tip of the lower cross-vein very slightly curved inward from the base ar the tip, where it is more distinctly curved outward; scales with tawny borders. Length of the body 6 lines; of the wings es.

w Holland. From Mr. Lambert's collection.

PHAGA misera, n. s., fem. *Nigra, capite aureo, thoraci vittis uatuor scutelloque albido-fulvis, huic macula nigra, pectore ci-ereo, abdomine maculis cinereo-fulvis quadrivittato, pedibus igris, alis subcinereis.*

ody black, clothed with black hairs and bristles: head adorned gold covering, paler and clothed with pale tawny hairs be-: a broad black stripe fringed with bristles between the eye-d the feelers; epistoma slightly prominent; sides of the face l with bristles at the base: eyes dark red: sucker black, l with tawny hairs; palpi black, beset with black bristles: adorned with four broad whitish tawny stripes, the inner pair e; scutcheon whitish tawny, with a large obconical black spot disk; breast hoary: abdomen obconical, a little broader but nger than the chest, tessellated with grayish tawny reflections, are disposed in four rows of irregular spots; underside gray: ack, clothed with black hairs and bristles; thighs tinged with h tawny; foot-cushions pitchy: wings slightly gray; shoul-wny; wing-ribs pitchy; veins black; tip cross-vein forming te angle with the fourth longitudinal vein, much curved in-t the base, straight from thence to the tip, where it is very y inclined outward, joining the border at some distance above of the wing; lower cross-vein with three curves; first and outward, very short, occupying the base and the tip of the second inward, comprising the middle part, but hardly per-le; scales gray, with tawny borders. Length of the body lines; of the wings 8—9 lines.

w Holland. Presented by J. Hunter, Esq.
w Holland.
st Australia. From Mr. Clifton's collection.

PHAGA tessellata, *Wied. Auss. Zweif.* ii. 363, 19. Musca essellata, *Fabr. Syst. Antl.* 285, 8.
nte Video. Presented by C. Darwin, Esq.

PHAGA Georgina, *Wied. Auss. Zweif.* ii. 357, 4.
Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.
wfoundland. Presented by W. C. St. John, Esq.

SARCOPHAGA edax, n. s., fem. *Nigra, capite antico ferrugineo, thoraci vittis quatuor canis, scutello ferrugineo, abdomine maculis cinereo-fulvis quadrivittato, antennis rufis, pedibus nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head in front ferruginous and partly adorned with white lustre, clothed beneath with pale tawny hairs; epistoma tawny, slightly prominent: sides of the face fringed with bristles at the base: eyes pitchy: sucker black, ferruginous and clothed with tawny hairs towards the tip: feelers red, shorter than the face; third joint nearly twice the length of the second, very slightly decreasing in depth from the base to the tip, which is rounded; bristle black, feathered nearly to the tip, full twice the length of the third joint: chest adorned with four hoary stripes, the inner pair double; breast gray; scutcheon ferruginous: abdomen oval, a little longer and broader than the chest, adorned with grayish tawny reflections, which have a tessellated appearance: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings almost colourless, slightly tawny at the base; shoulders and wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved inward at the base, straight from thence till near the tip, where it is slightly curved outward, joining the third longitudinal vein at a short distance from the tip of the latter; lower cross-vein much curved inward at the base, almost straight from thence to the tip; scales white, with yellow borders. Length of the body 4½ lines; of the wings 9 lines.

a. France?

SARCOPHAGA pumila, *Meig. Dipt.* v. 24, 12. *Zett. Dipt. Scand.* iv. 1291, 9.

a. France?

Group. IV. Phorella, *Desv. Essai Myod.* 362.

SARCOPHAGA Inoa, n. s., fem. *Cinereo-nigra, thorace fusco-nigro, vittis quatuor fulvo-cinereis, abdomine maculis canis quadrivittato, antennis ferrugineis, articulo 3° piceo, pedibus nigris, alis sublimpidis basi subfulvis.*

Body black, with a slight gray tinge, clothed with black hairs and bristles: head hoary, clothed beneath with gray hairs; sides of the face, epistoma and peristoma ferruginous; a ferruginous band on each side between the epistoma and the eye; sides of the face fringed with bristles at the base; epistoma prominent: eyes pitchy

r black, clothed at the tip with tawny hairs; palpi pitchy, be-
ith black bristles: feelers pitchy, shorter than the face; first
econd joints ferruginous; third joint flat above, slightly con-
eneath, rounded at the tip, about twice the length of the
d joint; bristle black, downy for full half its length from the
bare from thence to the tip, much more than twice the length
e third joint: chest brownish black, adorned with four gray
s, which have a slight tawny tinge; inner pair double on the
part; sides and hind border of the scutcheon gray; breast
: abdomen nearly elliptical, a little broader but hardly longer
the chest; each segment adorned with four large hoary spots;
ck: legs black, clothed with black hairs and bristles; thighs
anks slightly tinged with gray; foot-cushions pitchy: wings
colourless, slightly tawny at the base; wing-ribs tawny;
black, pitchy at the base; tip cross-vein forming a slightly ob-
ngle with the fourth longitudinal vein, hardly curved inward
he base, almost straight from thence to the tip, joining the
r at some distance above the tip of the wing; lower cross-vein
wo slight curves, the lower inward, less distinct than the other,
is outward; scales pale yellow. Length of the body 5 lines;
wings 10 lines.

lapagos. Presented by C. Darwin, Esq.

PHAGA Anaces, n. s. *Nigro-cinerea, abdomine maculis canis uadrivittato, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head hoary,
ting a black stripe fringed with bristles between the eyelets
e feelers; epistoma not prominent; sides of the face fringed
ristles at the base: eyes dark red: sucker black, clothed at
p with tawny hairs; palpi black, beset with black bristles:
black, much shorter than the face; third joint about twice
ngth of the second, flat above, slightly convex beneath,
ely truncated at the tip; bristle feathered for more than half
ngth from the base, more than twice the length of the third
chest tinged with gray: abdomen elliptical, not longer nor
r than the chest, adorned with hoary reflections, which are
ed in four rows of large irregular spots: legs black, clothed
black hairs and bristles; foot-cushions pitchy: wings slightly
wing-ribs tawny; veins black; tip cross-vein forming a right
with the fourth longitudinal vein, curved inward near the
straight from thence to the tip, joining the border at some dis-
above the tip of the wing; lower cross-vein straight for a short
ce from the base, then slightly curved inward, and lastly very

DEXIA Dirphia, n. s., fem. *Cana, capite nigro-fusco vittato, thorace vittis duabus latis tribusque angustis ornato, scutello subpiceo, abdomine cinereo canoque tessellato, palpis fulvis, antennis piceis basi ferrugineis, pedibus nigris, alis subcinereis, basi et ad venas transversas fuscis.*

Body clothed with black hairs and bristles: head white, gray on the crown; a broad and very dark brown stripe fringed with bristles between the eyelets and the feelers; epistoma tawny, prominent; face pale ferruginous, its sides fringed with bristles at the base: eyes red; fore part flat, its facets very little larger than those elsewhere: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers pitchy, ferruginous at the base, nearly as long as the face; third joint linear, rounded at the tip, about thrice the length of the second: bristle black, feathered with short hairs till near the tip, very much longer than the third joint: chest and breast hoary; two broad black stripes on the chest, and between them on the fore part three narrow black stripes; scutcheon somewhat pitchy, its tip armed with black spines; abdomen oboonical, gray, broader and a little shorter than the chest, tessellated with hoary reflections, armed on each side and on the hind borders of the segments towards the tip with black spines: legs black, clothed with black hairs and bristles: foot-cushions pitchy: wings slightly gray, tinged with brown at the base and on the middle cross-vein, and more slightly on the other cross-veins; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, almost imperceptibly curved inward from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 12 lines.

a. ———? From Mr. Children's collection.

DEXIA cristata, *Meig. Dipt.* v. 41, 11, *pl.* 43, *f.* 21. *Zett. Dipt. Scand.* 127, *f.* 16. Dinera cristata, *Macq. Hist. Nat. Dipt.* ii. 210, 1, *pl.* 15, *f.* 16. *Meig. Dipt.* vii. 269, 1, *pl.* 73, *f.* 13, 15. Estheria imperatoriæ, *Desv. Ess. Myod.* 306, 3.

a. England.

b. Lapland. Presented by the Entomological Club.

IA Prexaspes, n. s., mas. *Ferruginea, capitis vitta thoracisque disco piceis, abdomine nigro vittato, cano tessellato, palpis flavis, antennis fulvis apice ferrugineis, pedibus ferrugineis, tarsis nigris, alis subcinereis, basi costa venarumque marginibus subfulvis.*

Body clothed with black hairs and bristles: head ferruginous, tawny above; a pitchy stripe fringed with bristles widening the eyelets to the feelers; epistoma and face tawny; epistoma y prominent; sides of the face fringed with bristles nearly the whole length: eyes red; fore part slightly convex, its farger than those elsewhere: sucker black, pale ferruginous, lothed with tawny hairs towards the tip; palpi yellow, beset black bristles: feelers tawny, very short, not half the length of ice; third joint ferruginous, linear, rounded at the tip, hardly r than the second; bristle black, stout at the base, feathered rather long hairs, more than thrice the length of the third chest and breast ferruginous, adorned with hoary reflections; of the chest somewhat pitchy: abdomen ferruginous, obconiessellated with hoary reflections, a little longer, but not broader the chest, adorned along the whole length with a black stripe, is broader above than beneath: legs ferruginous, clothed with hairs and bristles; feet black; foot-cushions tawny: wings gray, with a slight tawny tinge at the base, on the fore borders, long the borders of the veins; wing-ribs ferruginous; veins ferruginous at the base; tip cross-vein perpendicular to the longitudinal vein, with which it forms a curve at their union, d inward near the base, straight from thence to the tip, joining order at some distance above the tip of the wing; lower crossvith two very slight curves, the lower inward, the upper out-; scales gray, with a tawny tinge. Length of the body 5 of the wings 10 lines.

orgia. From Mr. Abbot's collection.

A Halone, n. s., mas. et fem. *Ferruginea, thorace quadrivittato, cano micante,* mari. *abdominis dorso piceo vittato lateribus cano micantibus, palpis fulvis, antennis luteis, pedibus ferrugineis, alis sublimpidis basi subfulvis.*

Body pale ferruginous, clothed with black hairs and bristles: mostly adorned with a white covering; a dark ferruginous fur- stripe, fringed with bristles, widening from the eyelets to the ; sides of the face prominent and fringed with bristles for he length from the base; epistoma not prominent: eyes red: r ferruginous, clothed at the tip with tawny hairs; palpi

tawny, beset with black bristles: feelers luteous, very short, about one-third of the length of the face; third joint conical, not longer than the second; bristle more than thrice the length of the third joint, pitchy at the base, feathered with short hairs to the tip: chest adorned with hoary reflections, which are interrupted by four slender ferruginous stripes: abdomen oval, a little broader and longer than the chest, adorned on each side with hoary reflections; a pitchy stripe along the back of the male: legs ferruginous, clothed with black hairs and bristles; shanks darker than the thighs, paler than the feet; tips of the claws black; foot-cushions yellow: wings nearly colourless, pale tawny at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, having a short outward curve near the base, and a long inward curve from thence to the tip; lower cross-vein with two slight curves, the lower inward, more distinct than the other, which is outward; scales whitish. Length of the body 6 lines; of the wings 13 lines.

a. Georgia. From Mr. Abbot's collection.

Group II. Megaprosopus, *Macq. Dipt. Exot.* ii. 3, 83, *pl.* 10, *f.* 1.

Group III. Microphthalma, *Macq. Dipt. Exot.* ii. 3, 84, *pl.* 10, *f.* 2.

Group IV. Dinera, *Desv. Ess. Myod.* 308.

Group V. Aria, *Desv. Ess. Myod.* 309.

Group VI. Feria, *Desv. Ess. Myod.* 309.

Group VII. Catilia, *Desv. Ess. Myod.* 310.

Group VIII. Dexia, *Desv. Ess. Myod.* 311.

Dexia pandens, n. s., fem. *Cyanea, capite nigro, thorace vittis quatuor canis, scutello abdominis vittis duabus ventreque purpureis, antennis pedibusque nigris, alis subfuscis, basi et ad costam fulvis limpido variis.*

Body blue, clothed with black hairs and bristles: head black, mostly adorned with a white covering, clothed beneath with a few tawny hairs, having a pale golden band along the hind border of each eye; facials, or parts of the head adjoining the sides of the face, dark ferruginous; epistoma prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face, slightly ferruginous at

ase; third joint full thrice the length of the second, linear for hirds of its length, thence slightly increasing in depth to the which is rounded, bristle more than twice the length of the joint, its first and second joints short; third downy till near ip: chest adorned with four hoary stripes; inner pair double; heon purple: breast black, tinged with gray: abdomen a little r than broad, much broader but hardly longer than the chest, ied with two slender, indistinct, purple stripes, which are pa- and very near to each other; under side purple, with hoary tions: legs black, clothed with black hairs and bristles; foot- ons and claws tawny; tips of the claws black: wings slightly n, tawny with colourless intervals at the base, and on nearly the length of the fore borders; wing-ribs and veins bright ; veins pitchy towards the tips; tip cross-vein forming a ly obtuse angle with the fourth longitudinal vein, hardly d inward at the base, almost straight from thence to the tip, g the border at some distance above the tip of the wing; cross-vein with two very slight curves, the one near the and almost imperceptible, the other near the tip and rather distinct; scales pale tawny. Length of the body 8 lines; of ings 20 lines.

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A potens, *Wied. Auss. Zweif.* ii. 368, 1. Dinera potens, *Macq. Hist. Nat. Dipt.* ii. 210, 2.
azil. From Mrs. Noel's collection.

A Gortys, n. s., fem. *Picea, capite antico ferrugineo, thoracis ateribus pectore scutellique apice fulvis, abdomine fulvo, palpis ntennis pedibusque ferrugineis, alis flavo-fuscis.*

Body pitchy, clothed with black hairs and bristles: head ferru- s in front; epistoma not prominent; sides of the face fringed bristles at the base: eyes pale red; facets on the fore part than those elsewhere: sucker and palpi ferruginous, beset black bristles: feelers pale ferruginous, shorter than the face; joint linear, somewhat truncated at the tip, about thrice the n of the second joint; bristle much more than twice the length e third joint, deeply feathered till near the tip, where it is : chest on each side, breast and tip of the scutcheon tawny: nen nearly oval, dull tawny, paler beneath, darker towards the little broader but not longer than the chest: legs ferruginous, d with black hairs and bristles; feet furnished beneath with n down; foot-cushions tawny; claws black, ferruginous at the wings yellowish brown, darkest along the fore borders; wing-

ribs ferruginous; veins black, ferruginous at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward, joining the border at a short distance above the tip of the wing; lower cross-vein nearly straight, but having two almost imperceptible curves; the lower inward, the other outward, and succeeded by a very obtuse outward angle; scales tawny. Length of the body 6½ lines; of the wings 14 lines.

a. Brazil. Presented by Dr. Sinclair.

Dexia Thomæ, *Wied. Auss. Zweif.* ii. 379, 18.
a. Jamaica. From Mr. Gosse's collection.

Dexia gracilis? *Wied. Auss. Zweif.* ii. 373, 8.
a. ——— ?

Dexia Harpasa, n. s., mas. *Nigra, capite cano, thorace cinereo subvittato, scutelli apice ferrugineo, abdomine cano tessellato, palpis flavis, antennis ferrugineis basi fulvis, pedibus nigris, tibiis ferrugineis, alis flavo-fuscis margine postico sublimpidis.*

Allied to *Stomoxys*. Body black, clothed with black hairs and bristles: head adorned with a hoary covering, clothed beneath with yellowish white hairs; facials red; a dark ferruginous stripe fringed with bristles between the eyelets and the feelers; sides of the face prominent and fringed with bristles at the base; peristoma and epistoma yellow, the latter slightly prominent: eyes red: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi yellow, club-shaped, beset with black bristles: feelers tawny, not more than half the length of the face; third joint ferruginous, a little longer than the second, slightly decreasing in depth from the base to the tip, which is rounded; bristle black, deeply feathered from the base to the tip, much more than twice the length of the third joint: chest and breast adorned with a gray covering, the former indistinctly striped; scutcheon ferruginous towards the tip: abdomen elliptical, adorned with hoary reflections, as long and as broad as the chest: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions dark tawny: wings tinged with yellowish brown, nearly colourless along the hind borders; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very little curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the upper outward, rather more distinct than the other, which is inward; scales

sh, with pale tawny borders. Length of the body 4 lines; of
ings 8 lines.

orth America. From Mr. Children's collection.

IA Pristis, n. s., mas. *Nigra, capite albo micante, thorace cineeo vittis quatuor nigris, pectore cano, abdomine maculis canis bivittato, antennis pedibusque nigris, illis basi palpis tibiisque ferrugineis, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head co- with white lustre, clothed beneath with white hairs; a dark ginous stripe fringed with bristles, widening from the eyelets to eelers; epistoma not prominent; sides of the face fringed with es at the base: eyes dark red, hairy: sucker yellow, clothed yellow hairs; palpi tawny, beset with black bristles: feelers ginous, nearly as long as the face; third joint black, ferrugi- at the base, full thrice the length of the second joint, slightly asing in depth from the base to the tip, which is rounded; e tapering, very slender, more than twice the length of the joint, downy for half the length from the base: chest tinged gray, adorned with four slender black stripes; breast hoary, clothed with pale yellow hairs: abdomen long-obconical, longer and a little narrower than the chest, adorned with reflections, which form a large spot on each side of every seg- ; underside bluish gray: legs black, clothed with black hairs ristles; thighs tinged with bluish gray; shanks dark ferrugi- ; foot-cushions yellow; claws hairy: wings nearly colourless; ribs tawny; veins black, tawny at the base; tip cross-vein ng a right angle with the fourth longitudinal vein, slightly d inward near the base, straight from thence to the tip, joining order at some distance above the tip of the wing; lower cross- with two curves, the lower inward, shorter and more distinct the other, which is outward; scales whitish, with pale yellow rs. Length of the body 4½ lines; of the wings 9 lines.

assachusetts. From Prof. Sheppard's collection.

A Ogoa, n. s., fem. *Fulva, pectore albo, abdomine basi flavo pice piceo vittato, pedibus fulvis, alis sublimpidis vix fulvescenibus.*

Body pale tawny, clothed with black hairs and long black s: head wanting: scutcheon armed with two long black : breast white: abdomen elliptical, much longer than the pale yellow towards the base; a short pitchy stripe at the tip, like the sides, is armed with a few long black spines: legs

DEXIA vacua, *Meig. Dipt.* v. 46, 23, vii. 270, 13. *Macq. Hist. Nat. Dipt.* ii. 212, 3. *Zett. Dipt. Scand.* iii. 1265, 3. *Fall. Act. Holm.* 1816, 240, 10. *Musc.* 42, 10.

a. France.

b. ———? From Mr. Children's collection.

c. ———?

DEXIA grisescens, *Meig.* xx. *Dipt.* v. 45, 21, vii. 270, 10. *Zett. Dipt. Scand.* iii. 1278, 15. Musca grisescens, *Fall. Musc.* 44, 16. Dinera grisescens, *Macq. Hist. Nat. Dipt.* ii. 211, 4.

a. ———? From Mr. Children's collection.

DEXIA rustica, *Meig. Dipt.* v. 46, 22, vii. 270, 8. *Desv. Essai Myod.* 311, 1. *Macq. Hist. Nat. Dipt.* ii. 211, 1. *Zett. Dipt. Scand.* iii. 1264, 2. Musca rustica, *Fabr. Sp. Ins.* ii. 440, 26. *Ent. Syst.* iv. 322, 41. *Syst. Antl.* 296, 64. *Gmel. Ed. Syst. Nat.* v. 2842, 187.

a. England.

DEXIA Posio, n. s., fem. *Fulva, capite nigro anticè ferrugineo, thorace nigro quadrivittato, abdomine fulvo-cinereo cano tessellato, pedibus nigris, alis subcinereis basi costa venarumque marginibus subfuscis.*

Body clothed with black hairs and bristles: head black, with a brown tinge above, ferruginous, and covered with white bloom in front; a pitchy furrowed stripe between the eyelets and the feelers: epistoma not prominent; sides of the face without bristles: eyes pitchy; fore part flat, its facets larger than those elsewhere: feelers tawny at the base: chest and breast tawny; chest adorned with four black stripes: abdomen obconical, gray, with a tawny tinge, much longer, but not broader than the chest, tessellated with hoary reflections: legs black, clothed with black hairs and bristles: wings slightly gray, tinged with brown at the base, on the fore borders, and along the veins; wing-ribs dark ferruginous; veins black, ferruginous towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, where it is slightly curved outward, joining the third vein at some distance from the tip of the latter: lower cross-vein curved inward from the base to the middle, where it forms an angle with a very short stump, almost straight from thence to the tip; scales white, with pale tawny borders. Length of the body 5 lines; of the wings 9 lines.

a. Cape.

XIA volvulus, *Meig. Dipt.* v. 35, 2, *pl.* 43, *f.* 19. *Zett. Dipt. Scand.* iii. 1271, 8. Musca volvulus, *Fabr. Ent. Syst.* iv. 328, 67. *Zett. Ins. Lapp.* 653, 3. Ocyptera volvulus, *Fabr. Syst. Antl.* 314, 7. Musca cylindrica, *Fall. Act. Holm.* 1816, 242, 160. *Musc.* 43, 13. Phyllomya volvulus, *Desv. Essai Myod.* 213, 1. Sericocera volvulus, *Macq. Hist. Nat. Dipt.* ii. 166, 3. Melania volvulus, *Meig. Dipt.* vii. 275, 1, *pl.* 73, *f.* 23.
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XIA nigripes, *Meig. Dipt.* v. 38, 8. Musca nigripes, *Fabr. Ent. Syst.* iv. 319, 30. *Syst. Antl.* 293, 47. *Panz. Faun. Germ.* 104. 18. M. leucozona, *Panz. Faun. Germ.* 104, 19. M. lateralis, *Fall. Musc.* 42, 11. M. nigrina, *Fall. Musc.* 42, 12. D. leucozona, *Meig. Dipt.* v. 37, 7. *Zett. Dipt. Scand.* iii. 1266, 4. Thelaira abdominalis, *Desv. Essai Myod.* 215, 1. Sericocera leucozona, *Macq. Hist. Nat. Dipt.* ii. 167, 5. S. nigripes, *Macq. Hist. Nat. Dipt.* ii. 167, 6.
ngland. From Mr. Children's collection.
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IA compressa, *Meig. Dipt.* v. 41, 13. *Zett. Dipt. Scand.* iii. 1277, 14. Musca compressa, *Fabr. Mant. Ins.* ii. 346, 44. *Ent. Syst.* iv. 327, 64. *Gmel. Ed. Syst. Nat.* v. 2847, 210. M. rutillus, *Harr. Ex.* 86, *pl.* 24, *f.* 20. M. lateralis, *Panz. Faun. Germ.* 8, 2. M. rufiventris, *Fall. Act. Holm.* 18, 16. *Musc.* 41, 8. *Zett. Ins. Lapp.* 652. Ocyptera lurida, *Fabr. Syst. Antl.* 314, 5. O. compressa, *Oliv. Encycl. Meth. Fabr. Syst. Antl.* 314, 5. Volucella lurida, *Schrank, Faun. Boic.* iii. 2483. Mintho compressa, *Meig. Dipt.* vii. 253, 1. *Desv. Essai Myod.* 216, 1. Sericocera compressa, *Macq. Hist. Nat. Dipt.* ii. 169, 10. Wiedemannia compressa, *Loew, Ent. Zeit. Stettin*, 1847, viii. 251.
ngland.
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IA Thala, n. s., fem. *Nigra, thorace cano trivittato, lateribus anticis fulvis, abdomine ferrugineo albo micante nigro vittato, antennis nigris, basi femoribusque fulvis, tibiis piceis, tarsis nigris, alis sublimpidis, basi venarumque marginibus subfulvis.*

Allied to *Tachina*. Body black, clothed with black hairs and es: head adorned with white lustre; a pitchy stripe fringed bristles between the eyelets and the feelers; face and adjoin- part of the head ferruginous; sides of the face fringed with es at the base; epistoma not prominent: eyes pitchy; fore

part composed of larger facets than those elsewhere: sucker pitchy, tawny, and clothed with tawny hairs at the tip; palpi yellow, beset with black bristles: feelers bright tawny, a little shorter than the face; third joint black, tawny at the base, slender, linear, truncated at the tip, hardly four times the length of the second joint; bristle black, downy along the whole length, tawny at the base, very much longer than the third joint: chest adorned with three broad, hoary stripes, tawny on each side in front; breast hoary: abdomen pale ferruginous, adorned with white lustre on the fore border of the third segment, spindle-shaped, compressed, less than twice the length of the chest; a black interrupted stripe along the back: legs tawny, clothed with black hairs and bristles; shanks pitchy; feet black; foot-cushions tawny: wings nearly colourless, slightly tawny at the base and along the fore borders of the veins; tip cross-vein forming a right angle with the fourth longitudinal vein (which projects somewhat beyond it), slightly curved inward near the base, straight from thence to the tip, which joins the tip of the third longitudinal vein; lower cross-vein with two curves, the lower inward and distinct, the other outward and hardly perceptible; scales whitish, with tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. Tangier. From Mr. Fraser's collection.

Dexia Abzoe, n. s., fem. ***Nigra, thoracis lateribus anticis ferrugineis, abdomine fulvo cano micante piceo fasciato nigro vittato, antennis ferrugineis, pedibus nigris, tibiis nigro-ferrugineis, alis fulvis.***

Allied to *Tachina*. Body black, clothed with black hairs and bristles: head ferruginous, partly adorned with a yellow covering; a pitchy stripe fringed with bristles widening from the eyelets to the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy; facets on the fore part larger than those elsewhere: sucker tawny, clothed with yellow hairs; palpi ferruginous, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint linear, slender, rounded at the tip, more than four times the length of the second joint; bristle much longer than the third joint, deeply feathered from the base to the tip: chest ferruginous on each side in front: abdomen tawny, tapering from the base to the tip, adorned with white reflections on each side, rather more than twice the length of the chest; a black stripe on the back occupies the whole breadth near the tip, which is ferruginous; hind borders of the segments irregularly pitchy: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions tawny: wings tawny, rather narrow, wing-ribs and veins ferruginous; tip cross-vein forming a very obtuse angle

he fourth longitudinal vein, very slightly curved inward from se to the tip, joining the border a little above the tip of the lower cross-vein with two slight curves, the lower inward, distinct than the other, which is outward; scales tawny. h of the body 5 lines; of the wings 9 lines.

orgia. From Mr. Abbot's collection.

Aurinia, n. s., fem. *Nigra, fulvo tecta, thorace vittis quatuor igris, pectore cinereo, abdominis segmentorum marginibus anti- is fulvis, palpis fulvis, antennis luteis, pedibus fulvis, tarsis ni- ris, alis cinereis costa venarumque marginibus fuscis.*

ody black, clothed with black hairs and bristles: head tawny, on the crown, pitchy, and clothed with a few pale yellow hairs h; a pitchy furrowed stripe between the eyelets and the : epistoma slightly prominent; sides of the face fringed with s at the base: eyes red, not hairy: sucker tawny, clothed ellow hairs; palpi tawny, beset with black bristles: feelers s, not more than half the length of the face; third joint ra- eep, rounded at the tip, about twice the length of the second bristle black, deeply feathered to the tip, about twice the of the third joint: chest tinged with tawny colour, adorned ur slender black stripes; breast gray: abdomen oval, shin- uch longer, but not broader than the chest; a broad tawny n the fore border of each segment: legs tawny, clothed with hairs and bristles, feet black; foot-cushions pale tawny: gray, brown on the fore borders and along the borders of the wing-ribs tawny; veins pitchy, tawny towards the base; ss-vein forming a slightly acute angle with the fourth longi- l vein (which sends forth a short stump beyond it), curved , joining the border a little above the tip of the wing; lower ein with two very slight curves, the lower inward, a little listinct than the other, which is almost imperceptible; scales ish white, with pale tawny borders. Length of the body es; of the wings 7 lines.

——? From Mr. Children's collection.

Cerata, n. s., fem. *Nigro-cinerea, capite cano, thorace sub- ttato, abdomine fulvo micante, palpis fulvis, antennis nigris si ferrugineis, pedibus fulvis, tarsis nigris, alis sublimpidis.*

ody black, clothed with black hairs and bristles: head d with a hoary covering; a pitchy furrowed stripe between elets and the feelers; epistoma and peristoma tawny, the for- ominent; sides of the face fringed with bristles at the base;

part composed of larger facets than those elsewhere: sucker pitchy, tawny, and clothed with tawny hairs at the tip; palpi yellow, beset with black bristles: feelers bright tawny, a little shorter than the face; third joint black, tawny at the base, slender, linear, truncated at the tip, hardly four times the length of the second joint; bristle black, downy along the whole length, tawny at the base, very much longer than the third joint: chest adorned with three broad, hoary stripes, tawny on each side in front; breast hoary: abdomen pale ferruginous, adorned with white lustre on the fore border of the third segment, spindle-shaped, compressed, less than twice the length of the chest; a black interrupted stripe along the back: legs tawny, clothed with black hairs and bristles; shanks pitchy; feet black; foot-cushions tawny: wings nearly colourless, slightly tawny at the base and along the fore borders of the veins; tip cross-vein forming a right angle with the fourth longitudinal vein (which projects somewhat beyond it), slightly curved inward near the base, straight from thence to the tip, which joins the tip of the third longitudinal vein; lower cross-vein with two curves, the lower inward and distinct, the other outward and hardly perceptible; scales whitish, with tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. Tangier. From Mr. Fraser's collection.

Dexia Abzoe, n. s., fem. *Nigra, thoracis lateribus anticis ferrugineis, abdomine fulvo cano micante piceo fasciato nigro vittato, antennis ferrugineis, pedibus nigris, tibiis nigro-ferrugineis, alis fulvis.*

Allied to *Tachina*. Body black, clothed with black hairs and bristles: head ferruginous, partly adorned with a yellow covering; a pitchy stripe fringed with bristles widening from the eyelets to the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy; facets on the fore part larger than those elsewhere: sucker tawny, clothed with yellow hairs; palpi ferruginous, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint linear, slender, rounded at the tip, more than four times the length of the second joint; bristle much longer than the third joint, deeply feathered from the base to the tip: chest ferruginous on each side in front: abdomen tawny, tapering from the base to the tip, adorned with white reflections on each side, rather more than twice the length of the chest; a black stripe on the back occupies the whole breadth near the tip, which is ferruginous; hind borders of the segments irregularly pitchy: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions tawny: wings tawny, rather narrow, wing-ribs and veins ferruginous; tip cross-vein forming a very obtuse angle

the fourth longitudinal vein, very slightly curved inward from ›ase to the tip, joining the border a little above the tip of the ; lower cross-vein with two slight curves, the lower inward, distinct than the other, which is outward; scales tawny. th of the body 5 lines; of the wings 9 lines.

eorgia. From Mr. Abbot's collection.

IA Aurinia, n. s., fem. *Nigra, fulvo tecta, thorace vittis quatuor nigris, pectore cinereo, abdominis segmentorum marginibus anticis fulvis, palpis fulvis, antennis luteis, pedibus fulvis, tarsis nigris, alis cinereis costa venarumque marginibus fuscis.*

Body black, clothed with black hairs and bristles: head tawny, on the crown, pitchy, and clothed with a few pale yellow hairs ıth; a pitchy furrowed stripe between the eyelets and the rs: epistoma slightly prominent; sides of the face fringed with les at the base: eyes red, not hairy: sucker tawny, clothed yellow hairs; palpi tawny, beset with black bristles: feelers us, not more than half the length of the face; third joint radeep, rounded at the tip, about twice the length of the second ; bristle black, deeply feathered to the tip, about twice the h of the third joint: chest tinged with tawny colour, adorned four slender black stripes; breast gray: abdomen oval, shinmuch longer, but not broader than the chest; a broad tawny on the fore border of each segment: legs tawny, clothed with hairs and bristles, feet black; foot-cushions pale tawny: s gray, brown on the fore borders and along the borders of the ; wing-ribs tawny; veins pitchy, tawny towards the base; ross-vein forming a slightly acute angle with the fourth longiıal vein (which sends forth a short stump beyond it), curved rd, joining the border a little above the tip of the wing; lower -vein with two very slight curves, the lower inward, a little distinct than the other, which is almost imperceptible; scales wish white, with pale tawny borders. Length of the body nes; of the wings 7 lines.

——? From Mr. Children's collection.

IA Cerata, n. s., fem. *Nigro-cinerea, capite cano, thorace subvittato, abdomine fulvo micante, palpis fulvis, antennis nigris basi ferrugineis, pedibus fulvis, tarsis nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head ned with a hoary covering; a pitchy furrowed stripe between yelets and the feelers; epistoma and peristoma tawny, the for- prominent; sides of the face fringed with bristles at the base;

beset with black bristles: feelers ferruginous, shorter than the face; third joint tawny towards the base and beneath, very slightly decreasing in depth from the base to the tip, which is rounded, less than twice the length of the second joint; bristle black, slender, feathered for full half the length, stout at the base, much more than twice the length of the third joint: chest and breast gray: chest with a slight tawny tinge: abdomen elliptical, not longer nor broader than the chest, adorned with a dull tawny covering; a slight black stripe along the back: legs black; foot-cushions pitchy; thighs and shanks tinged with gray: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein very slightly curved near the base, straight from thence to the tip; scales whitish, with pale yellow borders. Length of the body 2 lines; of the wings 4 lines.

a. ——— ? Presented by the Entomological Club.

Dexia Sermyla, n. s. *Cinerea, capite albo, thorace vittis quatuor nigris, pectore cano, abdomine cano micante subtus ferrugineo apice compresso, palpis fulvis, antennis basi ferrugineis, pedibus nigris, tibiis ferrugineis, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head covered with white lustre, thickly clothed behind and beneath with yellowish white hairs; epistoma not prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker tawny, clothed with yellow hairs; palpi tawny, beset with black bristles: first and second joints of the feelers ferruginous: chest gray, with the exception of four slender black stripes; breast hoary: abdomen about thrice the length of the chest, spindle-shaped, dark ferruginous beneath, compressed, tapering, and thickly beset with long bristles toward the tip, adorned with hoary reflections, which are chiefly on each side: legs black, clothed with black hairs and bristles; thighs tinged with gray, shanks dark ferruginous; foot-cushions yellow; claws dark tawny, with black tips: wings nearly colourless, rather narrow; wing-ribs tawny; veins black, yellow at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 10 lines.

a. Brazil.

IA longipes, var.? *Macq. Dipt. Ent. Suppl.* 1846, 187, 4. Mas. et fem. *Cana, capite albo, thoraci vittis sex piceis, abdomine fulvo-cano micante, segmentorum suturis nigris, antennis piceis, articulo 3º pedibusque nigris, alis sublimpidis.*

Male.—Body hoary, clothed with black hairs and bristles: head e, prominent in front, thickly clothed beneath with white hairs; chy stripe fringed with bristles tapering from the feelers to- s the eyelets, where it again widens; face narrow, pale tawny, ed with bristles at the base; epistoma prominent: eyes deep not hairy: sucker black, long, ferruginous and clothed with y hairs towards the tip; palpi short, tawny, beset with black es: feelers pitchy, shorter than the face; third joint black, ler, linear, rounded at the tip, more than thrice the length of econd joint; bristle tawny, feathered to the tip, stout for about ixth of the length from the base, near which it is encircled by oad black band: chest with three slender, indistinct, pitchy es on each side: abdomen obconical, narrower, but hardly r than the chest, adorned with hoary reflections, which have a y tinge; sutures of the segments black: legs black, slender, long, clothed with short black hairs; each of the two hinder nearly twice the length of the body; foot-cushions pale tawny: s nearly colourless; wing-ribs and veins tawny; veins black rds the tips; tip cross-vein forming a slightly obtuse angle the fourth longitudinal vein, irregularly and very slightly ed inward till near the tip, where it is a little inclined outward, ng the border at a short distance above the tip of the wing; cross-vein with two curves, the lower inward and hardly per- ble, the other distinct and outward; scales large, white, with y borders. *Female.*—Abdomen nearly elliptical, a little shorter, ot narrower than the chest: curve of the tip cross-vein more ular than that of the male; inner curve of the lower cross-vein distinct. Length of the body 6 lines; of the wings 14 lines.

an Dieman's Land. Presented by the Rev. T. Ewing.
ew Holland.

Group IX. Cordyligaster, *Macq. Dipt. Exot.* ii. 2, 90.

IA petiolata, *Wied. Auss. Zweif.* ii. 374, 10. Cordyligaster petiolatus, *Macq. Dipt. Exot.* ii. 2, 90, 1. *Nigra, capite argenteo, thorace albo ornato, abdominis suturis canis, palpis anteunis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head adorned silvery lustre, clothed beneath with white hairs; a black stripe ed with bristles between the eyelets and the feelers; epistoma

not prominent; sides of the face fringed with bristles at the base: eyes red, not hairy: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint full thrice the length of the second, slightly decreasing in depth from the base to the tip, which is almost truncated; bristle more than twice the length of the third joint, feathered with short hairs to its tip: chest adorned with a white covering: abdomen compressed, obclavate, increasing in depth from the base till near its tip, more than thrice the length of the chest; sutures of the segments hoary: legs black, slender, very long, clothed with black hairs and bristles: wings dark gray, very long and narrow; wing-ribs and veins black: tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, having a very indistinct inward angle at about one-fourth of the length from the base, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with a short inward curve near the base, and a long outward curve from thence to the tip; both very slight; scales whitish, with sawny borders; poisers tawny. Length of the body 8 lines; of the wings 13 lines.

a. Para. From Mr. Stevens' collection.

Group X.

DEXIA Randa. *Fulva, capite aureo, thorace vittis quatuor flavis ornato, scutello cyaneo, abdomine cyaneo basi subtusque fulvo, palpis antennisque luteis, pedibus fulvis, tibiis posterioribus tarsisque piceis, tarsis anticis ferrugineis, alis fulvis apice fuscis.*

Body bright tawny, clothed with black hairs and bristles: head adorned with golden lustre, and having white reflections along the eyes beneath: a ferruginous stripe fringed with bristles between the eyelets and the feelers; sides of the face prominent and fringed with bristles at the base; epistoma not prominent: eyes red, not hairy; fore part flat, composed of larger facets than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi luteous, clavate, beset with black bristles: feelers luteous, nearly as long as the face; third joint downy, nearly linear, very slightly concave above, flat beneath, rounded at the tip, about thrice the length of the second joint; bristle black towards the tip, more than twice the length of the third joint, deeply but thinly fringed from the base to the tip: disk of the chest ferruginous, adorned with four pale yellow stripes, and with a blue colour which appears on its hinder part and on the scutcheon; fore part of the breast yellow: abdomen a little longer than broad, broader but hardly longer than the chest, bright blue at the tip beneath and on the whole of the back, excepting the base: legs taw-

othed with black hairs and bristles; fore feet ferruginous; inder shanks and feet pitchy; claws black, tawny at the base; ushions yellow: wings tawny, brown at the tips, pale brown the hind borders; a long deep brown band beyond the middle fore border; tip cross-vein very near the border of the wing, ıg a very obtuse angle, or rather a curve, with the fourth lon- nal vein, straight from thence to the tip, joining the border a ıbove the tip of the wing; lower cross-vein with two long and slight curves, the lower inward, the other outward; middle vein clouded with brown; scales tawny. Length of the body es; of the wings 13 lines.

ızil. Presented by the Entomological Club.
ızil. From Mr. Children's collection.

Group XI. Zelia, *Desv. Essai Myod.* 314.

Group XII. Sophia, *Desv. Essai Myod.* 317.

ı melaleuca, *Wied. Auss. Zweif.* ii. 369, 2. *Perty, Del. nim. Artic.* 186, *pl.* 37, *f.* 7. Sophia punctata, *Desv. Essai Myod.* 318, 2. S. vittata? *Guérin, Icon. Regn. Anim.* Sco- ptera melaleuca, *Macq. Dipt. Exot.* ii. 2, 83, 1. Sarcophaga igripennis, *Guérin et Percheron, Gen. Ins. Dipt. pl.* 5, 4 *livr.* 10.
ızil. From Mrs. Noel's collection.

Group XIII. Rutilia, *Desv. Essai Myod.* 319.

ı vivipara, *Guérin, Rev. Zool.* 1843, 270, 10. Tachina vivi- ara, *Fabr. Syst. Antl.* 309, 3. *Wied. Auss. Zweif.* ii. 291, 7.
rt Stephen, New Holland. Presented by the Earl of Derby.
w Holland. Presented by J. Hunter, Esq.
st Australia. From Mr. Clifton's collection.
w Holland. From Mr. Children's collection.
w Holland.

Dexia, *Durvillei.*

ıia Durvillei, *Desv. Essai Myod.* 321, 4. *Guérin, Rev. Zool.* 843, 270, 9.
an River. Presented by Sir J. Richardson.
est Australia. From Mr. Clifton's collection.
—— ? From Mr. Children's collection.

DEXIA testacea. Diaphania testacea, *Macq. Dipt. Exot.* ii. 121, 1, *pl.* 14, *f.* 8.
a. New Holland. Presented by the Haslar Hospital.
b, New Holland. Presented by the Entomological Club.

DEXIA Aditha, n. s., mas. *Cyaneo-viridis, capite piceo, thorace vittis quatuor æneis, scutello abdomineque ferrugineis, cyaneo purpureoque micantibus, abdomine nigro vittato fasciisque albis ornato, palpis fulvis apice piceis, antennis piceis basi ferrugineis, pedibus ferrugineis tarsis nigris, alis cinereis.*

Body clothed with black hairs and bristles: head pitchy, adorned with a white covering, thickly clothed beneath with pale yellow shining hairs; a deep brown stripe widening from the eyelets to the feelers; epistoma tawny, very prominent; sides of the face fringed with bristles for nearly half the length; face ferruginous, with a ridge in the middle and a furrow on each side: eyes red, separated on the crown by a narrow interval; fore part flat, its facets rather larger than those elsewhere: sucker pitchy, tawny and clothed with yellow hairs at the tip; palpi tawny, long, slender, curved, clothed with tawny hairs, pitchy and clothed with black hairs at the tips: feelers ferruginous, much shorter than the face; third joint pitchy, linear, conical at the tip, ferruginous at the base, about twice the length of the second joint; bristle black, downy, much more than twice the length of the third joint, its first and second joints short: chest bluish green, with a slight white covering; fore part adorned with four brassy stripes; disk of the hind part and scutcheon ferruginous, with bluish purple reflections; hind border of the scutcheon armed with black spines: breast dark green, partly clothed with tawny hairs: abdomen obconical, half transparent, furrowed on the back, notched in the tip, a little longer and broader than the chest, ferruginous with bluish green and purple reflections; fore borders of the segments adorned with white lustre; a black stripe along the middle of the back; hind border of the third segment armed with black spines; segments beneath successively more and more retracted towards the base; legs dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions pitchy; wings slightly gray; a brown spot near the base; wing-ribs and veins tawny; veins black towards the borders; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward near the base, straight from thence to the tip, where it is slightly curved outward, joining the border at some distance above the tip of the wing; lower cross-vein much curved inward near the base, slightly curved outward from thence to the tip;

ay, with tawny borders. Length of the body 8 lines; of the 3 lines.

River. Presented by Sir. J. Richardson.

abrata, n. s., fem. *Albo-viridis, capite piceo, thorace subito, pectore scutello abdomineque ferrugineis purpureo cyaneomicantibus, palpis antennisque nigris, pedibus ferrugineis, is nigris, alis subcinereis.*

ly clothed with black hairs and bristles: head pitchy, with a white covering, thickly clothed beneath with pale ining hairs; a broad interval on the crown between the pitchy stripe between the eyelets and the feelers, narrowest ddle course; a tawny spot at the base of the feelers; episwny, very prominent: sides of the face fringed with bristles ne-half of the length; face ferruginous, with a ridge in the nd a furrow on each side: eyes dark red; fore part slightly its facets hardly larger than those elsewhere: sucker pitchy, t the tip with tawny hairs; palpi black, beset with black elers black, a little shorter than the face; third joint linear, at the tip, full thrice the length of the second joint; brisy, about twice the length of the third joint: chest dull lorned with a white covering, which is indistinctly striped; nd part, and scutcheon ferruginous, with purple reflections; der of the scutcheon armed with black spines; breast ferrupartly bluish purple, and adorned with a white covering: obconical, half transparent, furrowed on the back, notched p, ferruginous with bluish green and purple reflections, a nger and broader than the chest; fore borders of the segdorned with white lustre; a black stripe along the middle ck; hind border of the third segment armed with black segments beneath successively more and more retracted tone base: legs dark ferruginous, clothed with black hairs and feet black; foot-cushions tawny: wings slightly gray; a pot near the base; wing-ribs and veins tawny; veins black the tips; tip cross-vein forming a very slightly obtuse angle fourth longitudinal vein, almost imperceptibly curved inl very near the tip, where it is curved outward, joining the t some distance above the tip of the wing; lower cross-vein rved inward near the base, slightly curved outward from o the tip; scales gray, with tawny borders. Length of the lines; of the wings 16 lines.

Holland. Presented by J. Hunter, Esq.

DEXIA testacea. Diaphania testacea, *Macq. Dipt. Exot.* ii. 121, 1, *pl.* 14, *f.* 8.
a. New Holland. Presented by the Haslar Hospital.
b, New Holland. Presented by the Entomological Club.

DEXIA Aditha, n. s., mas. *Cyaneo-viridis, capite piceo, thorace vittis quatuor æneis, scutello abdomineque ferrugineis, cyaneo purpureoque micantibus, abdomine nigro vittato fasciisque albis ornato, palpis fulvis apice piceis, antennis piceis basi ferrugineis, pedibus ferrugineis tarsis nigris, alis cinereis.*

Body clothed with black hairs and bristles: head pitchy, adorned with a white covering, thickly clothed beneath with pale yellow shining hairs; a deep brown stripe widening from the eyelets to the feelers; epistoma tawny, very prominent; sides of the face fringed with bristles for nearly half the length; face ferruginous, with a ridge in the middle and a furrow on each side: eyes red, separated on the crown by a narrow interval; fore part flat, its facets rather larger than those elsewhere: sucker pitchy, tawny and clothed with yellow hairs at the tip; palpi tawny, long, slender, curved, clothed with tawny hairs, pitchy and clothed with black hairs at the tips: feelers ferruginous, much shorter than the face; third joint pitchy, linear, conical at the tip, ferruginous at the base, about twice the length of the second joint; bristle black, downy, much more than twice the length of the third joint, its first and second joints short: chest bluish green, with a slight white covering; fore part adorned with four brassy stripes; disk of the hind part and scutcheon ferruginous, with bluish purple reflections; hind border of the scutcheon armed with black spines: breast dark green, partly clothed with tawny hairs: abdomen obconical, half transparent, furrowed on the back, notched in the tip, a little longer and broader than the chest, ferruginous with bluish green and purple reflections; fore borders of the segments adorned with white lustre; a black stripe along the middle of the back; hind border of the third segment armed with black spines; segments beneath successively more and more retracted towards the base; legs dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions pitchy: wings slightly gray; a brown spot near the base; wing-ribs and veins tawny; veins black towards the borders; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward near the base, straight from thence to the tip, where it is slightly curved outward, joining the border at some distance above the tip of the wing; lower cross-vein much curved inward near the base, slightly curved outward from thence to the tip;

gray, with tawny borders. Length of the body 8 lines; of the 18 lines.

n River. Presented by Sir. J. Richardson.

Sabrata, n. s., fem. *Albo-viridis, capite piceo, thorace subttato, pectore scutello abdomineque ferrugineis purpureo cyaneoe micantibus, palpis antennisque nigris, pedibus ferrugineis, rsis nigris, alis subcinereis.*

ody clothed with black hairs and bristles: head pitchy, d with a white covering, thickly clothed beneath with pale shining hairs; a broad interval on the crown between the a pitchy stripe between the eyelets and the feelers, narrowest middle course; a tawny spot at the base of the feelers; epistawny, very prominent: sides of the face fringed with bristles one-half of the length; face ferruginous, with a ridge in the and a furrow on each side: eyes dark red; fore part slightly , its facets hardly larger than those elsewhere: sucker pitchy, at the tip with tawny hairs; palpi black, beset with black feelers black, a little shorter than the face; third joint linear, d at the tip, full thrice the length of the second joint; brisvny, about twice the length of the third joint: chest dull adorned with a white covering, which is indistinctly striped; hind part, and scutcheon ferruginous, with purple reflections; order of the scutcheon armed with black spines; breast ferru, partly bluish purple, and adorned with a white covering: en obconical, half transparent, furrowed on the back, notched tip, ferruginous with bluish green and purple reflections, a onger and broader than the chest; fore borders of the segadorned with white lustre; a black stripe along the middle back; hind border of the third segment armed with black ; segments beneath successively more and more retracted tothe base: legs dark ferruginous, clothed with black hairs and ; feet black; foot-cushions tawny: wings slightly gray; a spot near the base; wing-ribs and veins tawny; veins black s the tips; tip cross-vein forming a very slightly obtuse angle he fourth longitudinal vein, almost imperceptibly curved inill very near the tip, where it is curved outward, joining the at some distance above the tip of the wing; lower cross-vein curved inward near the base, slightly curved outward from to the tip; scales gray, with tawny borders. Length of the lines; of the wings 16 lines.

w Holland. Presented by J. Hunter, Esq.

DEXIA Ethoda, n. s., fem. *Cyaneo-viridis albo micans, thorace vittis una ænea duabusque aureo-viridibus ornato, scutello æneo-purpureo, pectore purpureo-cyaneo, abdomine viridi purpureo cyaneoque ornato, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head black, adorned with a white covering; a black stripe, gray on the disk, and having a ferruginous spot at each end between the eyelets and the feelers; epistoma black, very prominent; sides of the face fringed with bristles for more than half the length: eyes pitchy; fore part slightly convex, its facets not larger than those elsewhere: sucker black, pitchy and clothed with yellow hairs at the tip; palpi dark tawny, pitchy towards the tips, clothed with black hairs: feelers black, tinged with gray, much shorter than the face; third joint linear, rounded at the tip, about twice the length of the second; bristle downy, nearly thrice the length of the third joint: chest bluish green, tinged with white, fore part adorned with a narrow brassy stripe, and with a broad golden-green stripe on each side; disk of the hind part and scutcheon coppery-purple; hind border of the scutcheon armed with shining black bristles; breast purplish blue: abdomen short-obconical, a little broader but not longer than the chest, furrowed and striped with black on the back, notched in the tip; first segment bluish green; second segment coppery-purple, with golden-green reflections, its hind border armed with black spines, and adorned with a bluish black band bordered with green; third segment like the second, but the purple predominates over the golden-green; fourth segment green, coppery-purple on each side, its hind border armed with black spines; fifth segment golden-green, coppery-purple on the fore border, intense blue on the hind border; fore borders of the segments adorned with awhite covering; underside bright deep blue, purple on the hind border of each segment; third segment mostly green: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; a brown spot near the base; wing-ribs and veins ferruginous: tips of the veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, having an almost imperceptible inward curve from the base till near the tip, where it is slightly inclined outward; lower cross-vein with two curves, the lower inward, the other outward, more slight and irregular than the first. Length of the body 8 lines; of the wings 18 lines.

a. Swan River. Presented by Sir John Richardson.

ıa inornata. Rutilia inornata, *Guérin, Rev. Zool.* 1843, 268, 7. *Macq. Dipt. Exot. Suppl.* 1846, 178, 7, *pl.* 16, *f.* 5. ew Holland.

ıa Potina, n. s., fem. *Picea, albo ornata, scutello abdominisque egmentorum marginibus anticis ferrugineis, palpis fulvis, antennis piceis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head pitchy, ıed with a white covering, which does not appear on the broad wed stripe between the eyelets and the feelers; epistoma tawny, ng, very prominent; middle ridge of the face tawny, covered white bloom; sides covered with tawny down, fringed with es for more than half the length: eyes dark red; facets of the art very small: sucker black, clothed at the tip with tawny : palpi long, slender, dark tawny, clothed with short black ; their tips black: feelers pitchy, not more than half the h of the face; second joint armed with a long bristle; third linear, rounded at the tip, more than twice the length of the d; bristle black, slightly downy, much more than twice the h of the third joint: chest pitchy, armed with some black s at the base of the wings; hind part and scutcheon ferrugi- abdomen pitchy, obconical, full as broad and as long as the ; fore borders of the segments somewhat ferruginous, tinged white bloom; hind border of the third segment armed with : legs black, clothed with black hairs and bristles; foot- ons tawny: wings colourless, with a large brown spot near the which is tawny; wing-ribs and veins ferruginous; veins black ds the tips; tip cross-vein forming a slightly obtuse angle he fourth longitudinal vein, very slightly curved inward near ıse, straight from thence to the tip, where it is very slightly d outward, joining the border at a short distance above the tip wing; lower cross-vein with two curves, the lower inward, deeper and shorter than the other, which is outward; scales h, with yellow borders. Length of the body 7 lines; of the 16 lines.

n Dieman's Land. Presented by the Rev. T. Ewing.

ı Barcha, n. s., fem. *Ferruginea, capite piceo, thoracis disco, bdominis vitta et segmentorum marginibus posticis nigris, marginibus anticis albo ornatis, palpis fulvis, antennis piceis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head pitchy; a stripe between the eyelets and the feelers; epistoma black, prominent; fore border ferruginous; facials dark red; middle

dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings slightly gray; wing-ribs and veins dark ferruginous; veins black towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, till near the tip, where it has a slight outward inclination, joining the border at a short distance above the tip of the wing; lower cross-vein with two curves, the lower inward, much deeper than the other, which is outward; scales gray, with tawny borders. Length of the body 6 lines; of the wings 16 lines.

a. New Holland.

DEXIA Uzita, n. s., fem. *Viridis, capite fulvo, thoracis lateribus cyaneis, scutelli apice purpureo, pectore abdomineque aureo-viridibus, abdominis vitta et segmentorum marginibus posticis nigris, palpis flavis, antennis nigris basi ferrugineis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head tawny and tinged with white in front, bright green behind and beneath, pitchy with a tawny tinge on the crown; a ferruginous stripe between the eyelets and the feelers; epistoma extremely prominent; ridge of the face pale ferruginous, with a bright green spot at the tip adjoining the epistoma; sides of the face fringed with bristles along one-third of the length: eyes brassy red; fore part nearly flat, its facets very small: sucker black, clothed at the tip with tawny hairs; palpi pale yellow, long, very slender, beset with short black hairs: feelers ferruginous; third joint black, ferruginous at the base, more than twice the length of the second joint, which is armed with a black bristle: chest bright green, bluish on each side and on the scutcheon, whose tip is tinged with purple; fore part adorned with five indistinct, darker stripes: breast golden green, bluish on each side, clothed with tawny hairs: abdomen golden green, obconical, a little shorter and broader than the chest, bluish green on each side and at the tip, not furrowed nor notched at the tip; a black stripe along the middle, and a broad black band on the hind border of each segment: legs black, clothed with black hairs and bristles; foot-cushions tawny, with very long, forked, spindle-shaped, pale tawny appendages: wings colourless, a large dark brown spot near the base, which is tawny; wing-ribs ferruginous; veins black, ferruginous at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, almost imperceptibly curved inward along the whole length to the tip, which has a slight outward inclination, joining the border a little above the tip of the wing;

cross-vein with two very slight curves, the lower inward, the outward; scales white, with pale yellow borders. Length of ody 6 lines; of the wings 16 lines.

ew Holland?

A retusa? Musca retusa? *Fabr. Ent. Syst.* iv. 316, 15. *Syst. Antl.* 288, 22. *Wied. Auss. Zweif.* ii. 420, 64. Mas. *Viridis, capite fulvo, thorace vittis quatuor æneis, abdomine æneo-viridi, vitta et segmentorum marginibus posticis nigris, palpis fulvis, antennis ferrugineis, pedibus nigris, tibiis nigro-ferrugineis, alis limpidis.*

Body clothed with black hairs and bristles: head bright tawny; pitchy, with a broad, many-furrowed, ferruginous stripe be- the eyelets and the feelers; epistoma prominent; sides of the ringed with bristles for one-third of the length from the base: pitchy; fore part nearly flat, its facets very small: sucker clothed with yellow hairs; palpi tawny, beset with short, hairs: feelers pale ferruginous, much shorter than the face; joint linear, rounded at the tip, more than twice the length of cond joint; bristle black, downy, much more than twice the of the third joint, its second joint short, but longer than the chest and breast bright green, the latter clothed with tawny fore part of the chest adorned with four brassy stripes; hind nd scutcheon bluish green: abdomen obconical, brassy green, e broader, but not longer than the chest; a narrow black band e hind border of each segment, and a broader black stripe the back; no furrow nor notch at the tip: legs black, clothed black hairs and bristles; shanks very dark ferruginous; foot- ons tawny; wings colourless; a dark brown spot near the base is tawny; wing-ribs and veins ferruginous; veins black to- the tips; tip cross-vein forming a very slightly obtuse angle he fourth longitudinal vein, very slightly inclined inward near ase, straight from thence till near the tip, where it is almost d outward; lower cross-vein with two extremely slight curves, wer inward, the upper outward; scales tawny. Length of the 6 lines; of the wings 16 lines.

ew Holland.

DEXIA Panthea, n. s., fem. *Aureo-viridis cyaneo micans, capitis vertice fulvo, thoracis vittis quatuor æneis, scutello cyaneo, abdomine cupreo, vitta dorsali et segmentorum marginibus posticis nigris, palpis fulvis, antennis nigris basi ferrugineis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head thickly covered with bright tawny down, bright bluish green behind and beneath, dark tawny on the crown, having a whitish tinge in front; a ferruginous stripe widening from the eyelets to the feelers; epistoma very prominent; sides of the face fringed with bristles along nearly half the length; sucker black, clothed at the tip with tawny hairs; palpi tawny, long, slender, beset with short black hairs: eyes pitchy; fore part nearly flat; all the facets small: feelers ferruginous, short, not more than half the length of the face; second joint armed with a bristle; third joint black, conical at the tip, ferruginous at the base, less than twice the length of the second; bristle black, downy, about thrice the length of the third joint: chest golden-green, tinged with blue, adorned with four bronze stripes; scutcheon bright blue; breast bluish green, clothed with tawny hairs: abdomen bright reddish copper-colour, which is mingled with green at the base and on each side; a black stripe along the back and a black band on the hind border of each segment; no furrow nor notch at the tip; segments on the underside slightly retracted towards the base: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings colourless, with a brown spot near the base, which is tawny on the fore border; wing-ribs ferruginous; veins black, ferruginous at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, almost imperceptibly curved inward till near the tip, where it has a slight outward inclination joining the border; lower cross-vein with a slight inward curve near the base, straight from thence for some space, and afterwards slightly waving to the tip; scales gray, with tawny borders. Length of the body 7 lines; of the wings 18 lines.

a. West Australia. From Mr. Clifton's collection.

DEXIA formosa. Rutilia formosa, *Desv. Essai Myod.* 320, 2. R. splendida? *Macq. Dipt. Exot.* ii. 81, 1, *pl.* 9, *f.* 5, 6. *Guérin, Rev. Zool.* 1843, 266, 3.

a. New Holland.

DEXIA regalis. Rutilia regalis, *Guérin, Rev. Zool.* 1843, 265, 1. *Voy. Coq. Zool.* ii. *pl.* 21, *f.* 1. Musca regalis, *Guérin, Voy. Coq. Zool.* ii. 21*st div.* 296.

a. New Holland. Presented by the Entomological Club.

A splendida. Musca splendida, *Donovan, Gen. Ill. Ent.* i. *l. Hym. Dipt. f.* * *Wied. Auss. Zweif.* ii. 285, 3. Rutilia plendida, *Guérin, Rev. Zool.* 1843, 266, 5. *Macq. Dipt. Exot. Suppl.* 1846, 178, 9. R. Australasiæ, *G. R. Gray, Griff. Cuv. Anim. Kingd. Ins.* ii. *pl.* 144, *f.* 1.
dney, New South Wales. Presented by Dr. Sinclair.
w Holland. Presented by the Linnean Society.
an River. Presented by Sir J. Richardson.
an River. From Mr. Lambert's collection.
an River.

A Zabirna, n. s., mas. *Viridis albo-micans, capite ferrugineo, horace maculis octo nigris ornato, scutello ferrugineo, abdominis asi apiceque nigris, palpis fulvis, antennis ferrugineis, pedibus igris, tibiis ferrugineis, alis limpidis.*

Body clothed with black hairs and bristles: head ferruginous, ed with white lustre round the eyes, golden-green beneath; a y stripe fringed with bristles, widening from the eyelets to the s; epistoma very prominent; sides of the face fringed with es for two-thirds of the length from the base: eyes dark red; part slightly convex, its facets larger than those elsewhere: r black, clothed at the tip with tawny hairs; palpi tawny, long ery slender, beset with short black hairs: feelers ferruginous, not more than half the length of the face; second joint armed a bristle; third joint linear, black from the middle to the tip, is rounded, about twice the length of the second joint; bristle nearly thrice the length of the third joint: chest green, ly tinged with white, adorned with eight deep black spots or stripes, which are disposed in two cross rows; the two inner are shorter than the two outer pair; scutcheon ferruginous, d with bluish green: abdomen obconical, bluish green, with reflections, not furrowed nor notched, a little broader and er than the chest; first segment and tip black; hind border of hird segment armed with spines; a slender interrupted black along the back, and a broad black band on the hind border of segment: legs black, clothed with black hairs and bristles; ks dark ferruginous; foot-cushions pitchy: wings colourless; a pale brown spot near the base, which it joins on the fore bor- wing-ribs ferruginous; veins black; tip cross-vein forming a tly obtuse angle with the fourth longitudinal vein, almost im- eptibly curved inward near the base, straight from thence to the oining the border at some distance above the tip of the wing; r cross-vein with two distinct curves, the lower inward, the up-

Group XIV. Formosia? *Guérin, Rev. Zool.* 1843.

DEXIA Hypsa, n. s., mas. *Cyaneo-viridis, scutello æneo-viridi, abdomine aureo-viridi albo micante segmentorum marginibus posticis nigris, apice cupreo, palpis ferrugineis, antennis piceis, pedibus nigris femoribus tibiisque apice ferrugineis, alis limpidis.*

Body black, clothed with black hairs and bristles: head with a tawny covering above, ferruginous along the sides of the face, dark bluish green beneath, where it is thickly clothed with hoary hairs; epistoma prominent; sides of the face not bristly; no middle ridge: eyes dark red, meeting on the crown; fore part flat, its facets very much larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi ferruginous, long, slender, beset with short black hairs: feelers pitchy, nearly as long as the face; third joint slender, linear, rounded at the tip, about six times the length of the second; bristle black, very deeply feathered, much longer than the third joint: chest in front purple, tinged with blue and green; hind part and scutcheon mostly coppery-green; breast bluish green, clothed with tawny hairs, brassy on each side: abdomen obconical, much shorter but not broader than the chest; first, second, and third segments golden-green, with a slight white bloom, bluish along the hind borders, which are black; fourth and fifth segments reddish copper-colour, clothed with tawny hairs; hind border of the fourth segment dark blue: legs black, clothed with black hairs and bristles: thighs and shanks dark ferruginous towards the tips; foot-cushions tawny: wings colourless, with a dark brown spot near the base, which is slightly tawny; wing-ribs pitchy; veins black; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved slightly inward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, rather more distinct than the other, which is outward; scales gray. Length of the the body 4 lines; of the wings 10 lines.

a. ———?

DEXIA Chrysame, n. s., fem. *Aureo-viridis, maculis albis ornata, capite aureo, palpis fulvis, antennis ferrugineis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head bright gold-colour, white behind, clothed beneath with tawny hairs; crown very broad; epistoma prominent; face with a high middle ridge, its sides fringed with bristles along half the length: eyes dark red, with a black stripe near the hind border; fore part convex, its facets

e larger than those elsewhere: sucker black, clothed at the tip
awny hairs; palpi tawny, slender, beset with black bristles:
s bright pale ferruginous, shorter than the face; second joint
r; third joint linear, slender, rounded at the tip, full four
the length of the second; bristle black, deeply feathered, very
longer than the third joint; its first and second joints ferru-
s, very short: chest golden-green, adorned with white spots on
ide, and with two short white stripes in front: abdomen obco-
golden-green, shorter and a little broader than the chest,
ed on each side with two white spots, one on the second, the
on the fourth segment; hind borders of the segments armed
spines: legs black, clothed with black hairs and bristles:
colourless, blackish brown, with a colourless spot at the base;
ibs and veins black; tip cross-vein forming an obtuse angle
he fourth longitudinal vein, straight from thence to the tip,
g the border at some distance above the tip of the wing;
cross-vein with two almost imperceptible curves, the lower in-
the other outward; scales large, brown, white towards the
Length of the body 3 lines; of the wings 6 lines.

w Holland. Presented by the Entomological Club.

Group XV. Aminia, *Desv. Essai Myod.* 443.

leonina, *Fabr. Syst. Ent.* 776, 12. *Ent. Syst.* iv. 318, 24.
yst. Antl. 290, 33. *Wied. Auss. Zweif.* ii. 389, 10. Rutilia
onina? *Desv. Essai Myod.* 320, 1. Aminia imperialis, *Desv.*
ssai Myod. 443, 1. A. leonina? *Desv. Essai Myod.* 444, 2.
Iacq. Dipt. Exot. ii. 117, 1, *pl.* 14, *f.* 5.
w Holland. Presented by the Haslar Hospital.
w Holland. From Mr. Argent's collection.
w Holland.

Group XVI. Amphibolia, *Macq. Dipt. Exot.* ii. 122.

Valentina. Amphibolia Valentina, *Macq. Dipt. Exot.* ii. 122,
pl. 14, *f.* 9.
n Dieman's Land. Presented by the Rev. Augustus Beaufort.
n Dieman's Land. Presented by the Rev. T. Ewing.
st Australia. From Mr. Clifton's collection.
w Holland. From Mr. Argent's collection.
——?

Group XVII. Macromya, *Desv. Essai Myod.* 322.
Group XVIII. Harrisia, *Desv. Essai Myod.* 323.
Group XIX. Leschenaultia, *Desv. Essai Myod.* 324.
Group XX. Theresia, *Desv. Essai Myod.* 325.
Group XXI. Phorostoma, *Desv. Essai Myod.* 326.
Group XXII. Myostoma, *Desv. Essai Myod.* 327.
Group XXIII. Billæa, *Desv. Essai Myod.* 328.
Group XXIV. Myocera, *Desv. Essai Myod.* 328.

MUSCA, *Linnæus.*

A. Muscidæ Floricolæ, *Desv. Essai Myod.* 375.

Group I. Clytho, *Desv. Essai Myod.* 375.
Group II. Agria, *Desv. Essai Myod.* 376.
Group III. Gesneria, *Desv. Essai Myod.* 378.
Group IV. Myorhina, *Desv. Essai Myod.* 383.
Group V. Conomya, *Desv. Essai Myod.* 384.

B. Muscidæ Testaceæ, *Desv. Essai Myod.* 425.

Group I. Bengalia, *Desv. Essai Myod.* 425.

MUSCA jejuna, *Fabr. Ent. Syst.* iv. 312, 1. *Syst. Antl.* 283, 1. *Wied. Auss. Zweif.* ii. 386, 4. M. torosa, *Wied. Zool. Mag.* iii. 21, 29. Bengalia testacea, *Desv. Essai Myod.* 426, 1. Ochromyia jejuna, *Macq. Hist. Nat. Dipt.* ii. 249, 1.
a. ——— ?

MUSCA pallens. Bengalia pallens, *Desv. Essai Myod.* 426, 3.
a. ——— ?

Group II. Phumosia, *Desv. Essai Myod.* 427.
Group III. Ormia, *Desv. Essai Myod.* 428.

MUSCA punctata. Ormia punctata, *Desv. Essai Myod.* 428, 1. Ochromyia punctata, *Macq. Hist. Nat. Dipt.* ii. 250, 3.
a. Jamaica.
b. ——— ?

A Dioclea, n. s. *Fulva, abdominis apice piceo, antennis pedi-usque fulvis, alis fuco -cinereis basi fulvis, costa apicem versus nigro-fusca.*

Head tawny, dark tawny on the crown; epistoma slightly pro-nt; sides of the face without bristles: eyes pitchy; fore part ts facets larger than those elsewhere: feelers tawny; third linear, rounded at the tip, full four times the length of the se-; bristle black towards the tip, much longer than the third disk of the chest dark tawny; tip of the scutcheon armed a few black spines: abdomen obconical, a little broader but nger than the chest, pitchy towards the tip: legs pale tawny; ark tawny: wings brownish gray, tawny towards the base, rown along the fore border from half the length to the tip; ribs ferruginous; veins pitchy, ferruginous towards the base; oss-vein forming a slightly obtuse angle with the fourth longi-al vein, curved inward, joining the border a little above the the wing; lower cross-vein with two curves, the lower inward, than the other, which is deeper and outward; scales tawny. h of the body 4 lines; of the wings 9 lines.

—— ?

Group IV. Palpostoma, *Desv. Essai Myod.* 429.

C. Muscidæ metallicæ, *Desv. Essai Myod.* 441.

Group I. Silbomyia, *Macq. Dipt. Exot.* ii. 119.

A fuscipennis, *Fabr. Syst. Antl.* 291, 37. *Wied. Auss. Zweif.* ii. 388, 8. Silbomyia fuscipennis, *Macq. Dipt. Exot.* ii. 119, 1.
a.
—— ?

Group II. Chrysomyia, *Desv. Essai Myod.* 445.

A marginalis, *Wied. Auss. Zweif.* ii. 395, 18.
uth Africa. Presented Dr. A. Smith.
ngo.
—— ?

A putoria, *Wied Auss. Zweif.* ii. 403, 32.
ar.?) Sierra Leone. Presented by the Rev. D. F. Morgan.

MUSCA chloropyga, *Wied. Zool. Mag.* ii. 44. *Auss. Zweif.* ii. 400, 28.
a. South Africa. Presented by Dr. A. Smith.
b. Cape.
c. ———?

MUSCA flaviceps. Lucilia flaviceps, *Macq. Dipt. Exot.* ii. 2, 145, 23, *pl.* 18, *f.* 1.
a. Madras. Presented by Walter Elliot, Esq.

MUSCA orientalis. Lucilia orientalis, *Macq. Dipt. Exot.* ii. 2, 145, 22, *pl.* 18, *f.* 2.
a. Madras. Presented by Walter Elliot, Esq.

MUSCA megacephala, *Fabr. Ent. Syst.* iv. 317, 18. *Syst. Antl.* 289, 27. *Wied. Auss. Zweif.* ii. 399, 27.
a. Sierra Leone. Presented by the Rev. D. F. Morgan.

MUSCA Elara, n. s., fem. *Aureo-viridis, capite albo micante, thoracis segmentorum marginibus posticis nigro-cyaneis, palpis fulvis, antennis piceis, pedibus ferrugineis, femoribus nigro-cyaneis, alis limpidis basi nigro-fuscis.*

Body bright golden-green, thinly clothed with black hairs and bristles: head adorned with white reflections, tawny and clothed with short white hairs in front; epistoma slightly prominent; sides of the face beset with bristles at the base: eyes pitchy or dark red: sucker black, ferruginous and clothed with tawny hairs at the tip: palpi tawny: feelers pitchy, shorter than the face; third joint full four times the length of the second, slightly increasing in depth from the base to the tip, which is rounded; bristle black, very much longer than the third joint, deeply fringed: breast partly blue: abdomen nearly elliptical, a little shorter than the chest; hind borders of the segments blackish blue; last segment brighter and more golden than the rest of the body: legs dark ferruginous, clothed with black hairs and bristles; thighs mostly bluish black; foot-cushions pitchy: wings colourless, dark brown at the base; wing-ribs and veins black; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward before half its length, straight from thence to the tip, where it has an almost imperceptible outward curve; lower cross-vein with two curves, the lower inward, shorter but not deeper than the other, which is outward; scales white, with very pale yellow borders. Length of the body 3—3½ lines; of the wings 7—8 lines.

a. South Africa. Presented by Dr. A. Smith.

:A Tifata, n. s., mas. *Viridis, albo micans, thorace vittis tribus æneis, abdominis segmentorum marginibus posticis cyaneis, palpis fulvis, antennis pedibusque piceis, femoribus nigro-cyaneis, alis subcinereis basi fuscis.*

Body clothed with black hairs and bristles: head dull green, ed with white lustre: a double row of black bristles between es; epistoma rather prominent, pale ferruginous; sides of the ringed with bristles at the base; peristoma tawny: eyes red: r black, ferruginous and clothed with tawny hairs at the tip; tawny: feelers pitchy, a little shorter than the face; third full four times the length of the second, ferruginous at the linear, rounded at the tip; bristle black, longer than the joint: chest green, slightly tinged with white, adorned in front hree indistinct and interrupted copper stripes: abdomen nearly cal, a little shorter and broader than the chest; hind borders segments blue, especially on each side, where they are partly e: legs pitchy; hips and thighs bluish black; foot-cushions awny: wings slightly gray, brown at the base; wing-ribs and black; tip cross-vein forming a very slightly obtuse angle he fourth longitudinal vein, very slightly curved inward at urth of its length, straight from thence to the tip, joining the a little above the tip of the wing; lower cross-vein very ly curved inward near the base, and thence having an irregud almost imperceptible outward curve which continues to the cales white, with tawny borders. Length of the body 4 lines; wings 8 lines.

ina. Presented by G. T. Lay, Esq.

A Remuria, n. s., fem. *Cyaneo-viridis, æneo varia albo tecta, cutello cyaneo, abdomine aureo-viridi segmentorum marginibus osticis cyaneis, antennis palpisque fulvis, pedibus nigris, tibiis errugineis, alis limpidis basi subfulvis.*

Body clothed with black hairs and bristles: head pitchy above, and slightly tinged with white in front; a dark ferruginous between the eyelets and the feelers; epistoma prominent; of the face fringed with bristles at the base: eyes bright red: r black, ferruginous and clothed with tawny hairs at the tip; tawny: feelers bright tawny, a little shorter than the face; joint full four times the length of the second, slightly decreas- depth from the base to the tip, which is rounded; bristle dark , a little longer than the third joint: chest bluish green, ed with a coppery tinge and slightly covered with white in front; scutcheon blue: abdomen nearly elliptical, a little

base: eyes purplish red; fore part flat, composed of larger facets than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip; palpi tawny, with black tips, beset with black bristles: feelers black, shorter than the face; second joint dark ferruginous; third joint full four times the length of the second, slightly decreasing in depth from the base to the tip, which is rounded: bristle black, very much longer than the third joint: chest bluish green, tinged with purple on each side, adorned with four broad hoary stripes; breast partly covered with hoary bloom: disk of the scutcheon purple: abdomen elliptical, brassy green, a little shorter than the chest, covered with hoary bloom; a slender blue stripe on the back; its base and the hind borders of the segments also blue: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions pitchy; a broad, dark tawny band round each of the four hinder thighs: wings slightly gray; shoulders tawny; wing-ribs and veins black; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, a little curved inward for a short part of its length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with an almost imperceptible inward curve along half its length, and having thence to the tip a very slight outward curve; scales pale yellow, with darker borders. Length of the body 3½ lines; of the wings 7 lines.

a. Monte Video. Presented by C. Darwin, Esq.

Musca Verena, n. s., fem. *Purpureo-cyanea, capite nigro supra fo-ragineo, thorace vittis quatuor canis, scutello purpureo, abdomine cyaneo-viridi, basi cyaneo, macula utrinque ænea, segmentorum marginibus posticis purpureis, palpis fulvis, antennis pedibusque nigris, femoribus ferrugineo cinctis, tibiis ferrugineis, alis cinereis.*

Body clothed with black hairs and bristles: head black, covered with pale yellow bloom, tawny and clothed with yellow hairs on each side of the peristoma; a very broad ferruginous stripe fringed with bristles between the eyelets and the feelers; epistoma prominent; sides of the face fringed with very short bristles, and at the base with longer bristles: eyes dark red; fore part flat, and composed of larger facets than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, shorter than the face; second joint ferruginous towards the tip; third joint full thrice the length of the second, flat above, slightly convex beneath, decreasing in depth towards the tip, which is rounded; bristle black, very much longer than the third joint: chest and breast deep purplish blue; abdo-

ed with four stripes of hoary reflections; breast slightly co- with hoary bloom; scutcheon intense purple: abdomen ellip- bright bluish green, a little broader, but not longer than the bright blue at the base, adorned with white reflections, which ost apparent on the under side; hind borders of the segments e purple; a large coppery spot on each side of the fore bor- f the third segment: legs black, clothed with black hairs and es; a broad pale ferruginous band round each thigh; shanks ferruginous; foot-cushions pitchy: wings slightly gray; wing- itchy; veins black; tip cross-vein forming a very slightly ob- ngle with the fourth longitudinal vein, a little curved inward short part of its length, straight from thence to the tip, join- e border a little above the tip of the wing; lower cross-vein an almost imperceptible inward curve along half its length, aving thence to the tip a very slight outward curve; scales gray, with tawny borders. Length of the body 4 lines; of the 8 lines.

nezuela. From Mr. Dyson's collection.

A Bata, n. s. *Æneo-viridis, capite fulvo, scutello cyaneo, ab- lomine viridi basi et segmentorum marginibus posticis purpureo yaneis, palpis fulvis, antennis ferrugineis, pedibus nigris, alis impidis.*

Body beset with a few black hairs and bristles: head tawny, y clothed with beneath with pale yellow hairs; epistoma ly prominent; sides of the face fringed with bristles at the eyes red, very large; fore part flat, composed of very large , and quite distinct from the other part of the eye; sucker y, clothed with pale tawny hairs; palpi tawny, slender, beset black bristles: feelers pale ferruginous, much shorter than the third joint full four times the length of the second, very ly decreasing in depth from the base to the tip, which is led: chest green, slightly covered with white bloom, brassy the sutures of the segments, and indistinctly striped with that r in front; scutcheon blue: abdomen green, obconical, shorter the chest, blue, mixed with purple at the base, and on the borders of the segments: legs black, clothed with black hairs bristles; foot-cushions tawny: wings colourless; wing-ribs and pitchy; tip cross-vein forming hardly less than a right angle the fourth longitudinal vein, curved inward for a short part of ength, straight from thence to the tip, joining the border a above the tip of the wing: lower cross-vein with two slight es, the lower inward, longer than the other, which is outward; s gray, with pitchy borders. *Female.*—Body more green:

feelers darker: eyes widely separated; facets in the fore part much smaller than those of the male. Length of the body 4 lines; of the wings 8 lines.

a. ——— ?

MUSCA Combrea, n. s., mas. *Viridis, capite fulvo, scutello purpureo, abdomine cyaneo, suturis purpureis, palpis antennisque fulvis, pedibus nigris, tibiis ferrugineis, alis limpidis.*

Body beset with a few black hairs and bristles: head pale tawny in front, thickly clothed before and beneath with pale yellow hairs; face and epistoma pale ferruginous; each side of the face with a single bristle at the base; epistoma slightly prominent: eyes red, very large; fore part flat, composed of very large facets: sucker black, clothed at the tip with tawny hairs: palpi tawny, beset with black bristles: feelers tawny, a little shorter than the face; third joint linear, rounded at the tip, more than four times the length of the second joint; bristle tawny, a little longer than the third joint: chest green, covered with white bloom; scutcheon bright purple: abdomen blue, not longer than broad, much shorter than the chest, purple on the sutures of the segments: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, curved inward for a short space, straight from thence to the tip; lower cross-vein with two slight curves, the lower inward, the upper outward; scales whitish, with pale tawny borders. *Female.*—More blue than the male; feelers darker. Length of the body 4 lines; of the wings 8 lines..

a. ——— ? From Mr. Children's collection.

MUSCA Himella, n. s., mas. *Cyaneo-viridis, purpureo varia, capite fulvo supra nigro subtus cyaneo, palpis fulvis, antennis pedibusque piceis, femoribus cyaneo-nigris, alis limpidis.*

Body beset with a few black hairs and bristles: head black, slightly covered with hoary bloom above, tawny in front, clothed with white hairs beneath, where it is blue and shining; sides of the face beset with bristles at the base; epistoma slightly prominent: facials pale ferruginous: eyes dark red; facets on the fore part a little larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi dark tawny, beset with black bristles: feelers pitchy, a little shorter than the face; second joint ferruginous above at the tip; third joint linear, rounded at the tip, about

nes the length of the second; bristle black, a little longer e third joint: chest bluish green, tinged with purple on each d on the scutcheon: abdomen obconical, green, bluish and with purple at the base, a little shorter than the chest, with hoary hairs towards the tip; underside slightly l with white reflections: legs pitchy, clothed with black nd bristles; thighs bluish black; foot-cushions tawny: olourless; wing-ribs pitchy; veins black, pitchy at the base; ss-vein forming a right angle with the fourth longitudinal raight near the base, slightly curved inward from thence till e tip, where it is again straight, joining the border a little he tip of the wing; lower cross-vein with two slight curves, re nearly alike in length and depth, the lower inward, the utward; scales pale yellow, with whitish borders. Length ody 4 lines; of the wings 8 lines.

— ? From Mr. Children's collection.
— ?

Caruca, n. s. *Viridis, capite luteo supra albo micante, tho-e albo vittato, scutello abdomineque purpureo-cyaneis, palpis vis, antennis pedibusque nigris, femoribus posticis basi fulvis, subcinereis.*

dy beset with a few black hairs and bristles: head adorned ith white lustre, bright luteous in front; a dark ferruginous ringed with bristles between the eyelets and the feelers; a slightly prominent; sides of the face fringed with bristles the length: eyes pitchy; fore part rather flat, its facets larger than those elsewhere: sucker black, clothed at the tip wny hairs; palpi tawny, beset with black bristles: feelers nuch shorter than the face; third joint about four times the of the second, slightly decreasing in depth from the base to which is rounded: chest green, adorned with stripes of white hind part and scutcheon purple, mingled with blue: abdo-conical, as long as the chest, purplish blue, tinged with owards the tip: legs black, clothed with black hairs and ; foot-cushions tawny; hind thighs tawny at the base: lightly gray; shoulders tawny; wing-ribs and veins black; s-vein forming a very slightly obtuse angle with the fourth linal vein, curved slightly inward for near half the length, from thence to the tip, joining the border a little above the he wing; lower cross-vein with an almost imperceptible in-rve along half the length, more distinctly curved outward ence to the tip; scales yellowish white, with pale yellow bor-Length of the body 4 lines; of the wings 8 lines.

. From Mr. Cuming's collection.

Musca sericata, *Meig. Dipt.* v. 53, 3. *Zett. Ins. Lapp.* 655, 10. Lucilia sericata, *Macq. Hist. Nat. Dipt.* ii. 252, 5. *Meig. Dipt.* vii. 292, 2. *Zett. Dipt. Scand.* iv. 1314, 3, var.? Musca cærulescens, *Meig. Dipt.* v. 55, 10. Lucilia cærulescens, *Macq. Hist. Nat. Dipt.* ii. 253, 9. *Meig. Dipt.* vii. 292, 4.
a. England.
b. France.
c. ——— ?

Musca cornicina, *Fabr. Sp. Ins.* ii. 438, 11. *Ent. Syst.* iv. 317, 20. *Syst. Antl.* 289. 29. *Gmel. Ed. Syst. Nat.* i. 5, 2839, 169. *Fall. Musc.* 47, 21. *Meig. Dipt.* v. 52, 2.? *Zett. Ins. Lapp.* 655, 11. Lucilia cornicina, *Desv. Essai Myod.* 456, 16.? *Macq. Hist. Nat. Dipt.* ii. 254, 13.? *Zett. Dipt. Scand.* iv. 1316, 5. Musca Cæsarion, *Hoffmansegg, Meig. Dipt.* v. 57, 14. Lucilia Cæsarion, *Macq. Hist. Nat. Dipt.* ii. 255, 19. L. viridescens, *Desv. Essai Myod.* 458, 20. L. aurulum, *Desv. Essai Myod.* 458, 21.
a. England.
b France.
c. ——— ? From Mr. Children's collection.
d. ——— ?
e. Lapland. Presented by the Entomological Club.
f. Aix-la-Chapelle. Presented by F. Walker, Esq.

Musca ruficeps, *Mieg. Dipt.* v. 55, 8. Lucilia ruficeps, *Macq. Hist. Nat. Dipt.* ii. 252, 6. *Meig. Dipt.* vii. 292, 3. *Zett. Dipt. Scand.* iv. 1314, 2.
a. ——— ?

Musca azurea. Lucilia azurea, *Desv. Essai Myod.* 455, 10.
a. ——— ?

Musca indica. Lucilia indica, *Desv. Essai Myod.* 453, 5.
a. ——— ?

Musca germana. Lucilia germana, *Desv. Essai Myod.* 455, 11.
a. Adelaide. Presented by the Entomological Club.

Musca Pionia, mas. *Cyaneo-viridis, capite argenteo, abdomine aureo-viridi, palpis nigris, antennis pedibusque piceis, alis limpidis.*

Body thickly clothed with black hairs and thinly beset with black bristles: head silvery; a pitchy stripe between the eyelets and the feelers; epistoma prominent; sides of the face fringed with

s at the base; sides of the peristoma projecting towards the ma: eyes red, nearly meeting on the crown: sucker pitchy, d at the tip with tawny hairs; palpi black, beset with black s: feelers pitchy, as long as the face; third joint linear, ed at the tip, more than four times the length of the second; dark tawny, longer than the third joint: chest green, bluish ch side: abdomen obconical, golden-green, tinged with blue ds the base: legs dark pitchy, clothed with black hairs and s: wings colourless; wing-ribs and veins pitchy; tip cross- orming an obtuse angle with the fourth longitudinal vein, al- imperceptibly inclined inward along the whole length, joining rder at a short distance above the tip of the wing; lower cross- vith two very slight curves, the lower short and inward, the outward and extending from the first to the tip; scales white. h of the body 2½ lines; of the wings 5 lines.

lapagos. Presented by C. Darwin, Esq.

A cuprea. Lucilia cuprea, *Desv. Essai Myod.* 459, 27.
nce.
——?

A nigriceps. Lucilia nigriceps, *Macq. Dipt. Exot.* ii. 2 43, 16.
xico. Presented by E. P. Coffin, Esq.

A brunnipes? Lucilia brunnipes? *Macq. Dipt. Ent.* ii. 2, 138, , *pl.* 19, *f.* 5.
e of France.

A Heræa, n. s., fem. *Viridis, capite cyaneo-viridi, abdomine neo-viridi apice æneo, antennis palpis pedibusque nigris, alis ubcinereis.*

Body clothed with a few black hairs and bristles: head bluish , silvery in front; a pitchy stripe between the eyelets and the ; epistoma slightly prominent; sides of the face fringed with s at the base: eyes dark red; fore part convex, its facets a larger than those elsewhere: sucker and palpi black: feelers , nearly as long as the face; third joint linear, rounded at the nore than thrice the length of the second; bristle longer than hird joint: chest green: abdomen brassy green, shorter and er than the chest, a little longer than broad, brassy towards the legs black, clothed with black hairs and bristles; foot-cushions y: wings slightly gray; wing-ribs and veins black; tip cross- oined by an outward curve with the fourth longitudinal vein,

MUSCA Phellia, n. s., fem. *Cyaneo-viridis albo tecta, capite supra nigro, scutello cyaneo, palpis fulvis, antennis luteis, pedibus piceis, femoribus nigro-viridibus, alis limpidis.*

Body thinly clothed with black hairs and bristles: head thickly covered with white bloom, which is least apparent on the black stripe between the eyelets and the feelers, thinly clothed beneath with pale yellow hairs; epistoma tawny, slightly prominent; sides of the face beset with a very few bristles at the base: eyes coppery red; fore part flat, composed of larger facets than those elsewhere; sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers bright luteous, as long as the face; third joint about six times the length of the second, linear, rounded at the tip; bristle tawny, longer than the third joint, feathered with black hairs: chest bluish green, covered with white bloom, which is interrupted in front by two stripes; scutcheon blue; abdomen greenish blue, a little longer than broad, rather shorter and broader than the chest, covered at the tip and beneath with white bloom; legs pitchy; thighs blackish green; foot-cushions pale tawny: wings colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, quite straight from the base to tip, joining the border a little above the tip of the wing; lower cross-vein slightly waving along its whole length, in which it forms four curves; scales white. Length of the body 4 lines; of the wings 8 lines.

a. North Bengal. From Miss Campbell's collection.

MUSCA Racilia, n. s. *Viridis, capite nigro subtus purpureo, thorax vittis æneis, scutello cyaneo, abdomine cyaneo-viridi, antennis piceis basi nigris, palpis pedibusque nigris, alis fusco-cinereis.*

Body black, beset with a few black hairs and bristles: head black above, purple varied with blue and green beneath; epistoma prominent; sides of the face beset with bristles at the base: eyes pitchy; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint pitchy, linear, rounded at the tip, more than thrice the length of the second joint; bristle black, longer than the third joint: chest green, adorned with indistinct brassy stripes; hind part and scutcheon blue: abdomen bluish green, obconical, a little shorter and broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray, dark brown at the base, and along the fore borders and on the sides of the veins; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth

udinal vein, to which it is joined by an outward curve, very
y curved inward near the base, straight from thence to the
ining the border a little above the tip of the wing; lower
vein with two very slight curves, the lower inward, less distinct
he other, which is outward; scales tawny. Length of the
3½ lines; of the wings 7 lines.

rra Leone. Presented by the Rev. D. F. Morgan.

A Lagyra, n. s. *Purpureo-cyaneus, capite cano micante, abdo-
inis apice viridi, palpis piceis, antennis pedibusque nigris, fe-
oribus nigro-cyaneis, alis limpidis.*

Body beset with a few black hairs and bristles: head adorned
oary lustre; epistoma ferruginous, prominent; sides of the
inged with bristles for half the length from the base: eyes
ed; fore part flat, its facets a little larger than those else-
; sucker pitchy, clothed at the tip with tawny hairs; palpi
, beset with black bristles: feelers black, nearly as long as
ce; third joint linear, rounded at the tip, more than four
he length of the second joint; bristle longer than the third
chest bright blue, slightly tinged with purple; breast bluish
: abdomen purplish blue, a little shorter and broader than
est, green towards the tip: legs black, clothed with black
nd bristles; thighs bluish black; foot-cushions pitchy: wings
ess; wing-ribs and veins tawny; veins black towards the
ip cross-vein forming an obtuse angle with the fourth longi-
l vein, almost imperceptibly curved inward along the whole
, joining the border at some distance above the tip of the
lower cross-vein with two very slight curves, the lower in-
not half the length of the other, which is outward; scales
h, with pale yellow borders. Length of the body 4 lines;
wings 9 lines.

al. From Mr. Children's collection.

Cluvia, n. s. *Cyaneo-cinerea, capite fulvo, scutello abdomine-
e cyaneo-purpureis, hujus lateribus viridi variis, palpis anten-
sque fulvis, pedibus piceis, alis sublimpidis.*

ody clothed with black hairs and beset with a few black
: head tawny, slightly covered with white bloom; a pitchy
etween the eyelets and the feelers: epistoma slightly promi-
sides of the face fringed with bristles for half the length from
e: eyes red; fore part flat, composed of larger facets than
lsewhere: sucker pitchy, clothed at the tip with tawny hairs;
lender, pale tawny, beset with black bristles: feelers tawny,
as long as the face; third joint linear, more than four times

the length of the second joint, tinged with brown towards the tip, which is rounded; bristle tawny, longer than the third joint, feathered with black hairs: chest bluish gray, slightly covered with white bloom; breast tinged with purple; scutcheon bluish purple: abdomen obconical, purple mingled with blue and on each side with green: legs pitchy, clothed with black hairs and bristles; knees and foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein straight for most of its course, almost imperceptibly curved inward at the base and outward at the tip: scales gray, with pale yellow borders. Length of the body 3 lines; of the wings 6 lines.

a. West India. From Mr. Children's collection.

Musca Maronea, n. s., fem. *Aureo-viridis, capite nigro, palpis antennis pedibusque nigris, alis subcinereis.*

Body beset with a few black hairs and bristles: head dull black; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes dark pitchy; fore part convex, its facets small: sucker and palpi black: feelers black, nearly as long as the face; third joint linear, truncated at the tip, full thrice the length of the second joint; bristle black, longer than the third joint: chest and abdomen golden green: abdomen rather shorter and broader than the chest, its length but little exceeding its breadth: legs black, clothed with black hairs and bristles; foot-cushions pitchy; wings slightly gray; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein joined by an outward curve with the fourth longitudinal vein, straight from thence till near the tip, where it is very slightly inclined inward; lower cross-vein straight, with the exception of a very slight inward curve in the middle part of its course; scales dingy white, with pale tawny borders. Length of the body 2½ lines; of the wings 5 lines.

a. New Holland. Presented by J. Hunter, Esq.

Musca Donysa, n. s., fem. *Viridi-cyanea, capite nigro, thoracis vittis purpureis, scutello purpureo cyaneo, abdomine viridi, antennis piceis basi nigris, palpis pedibusque nigris, alis limpidis.*

Body clothed with black hairs and bristles: head black; epistoma prominent; sides of the face fringed with bristles at the base: eyes bright red; fore part convex, its facets a little larger than those elsewhere: sucker black, clothed at the tip with tawny

s; palpi black, beset with black bristles: feelers black, as long
e face; third joint pitchy, slender, linear, rounded at the tip,
t four times the length of the second; bristle much longer than
third joint: chest greenish blue, striped with purple; hind part
, tinged with purple: breast green, adorned with blue and pur-
abdomen bright green, hardly longer than broad, a little
der and much shorter than the chest: legs black, clothed with
k hairs and bristles; foot-cushions pitchy: wings colourless;
g-ribs and veins tawny; veins pitchy towards the tips; tip cross-
joined by an outward curve with the fourth longitudinal vein,
ght from thence till near the tip, where it is almost imperceptibly
curved inward; lower cross-vein curved inward; scales white,
pale yellow borders. Length of the body $2\frac{1}{2}$ lines; of the
gs 5 lines.

New Holland. Presented by J. Hunter, Esq.

CA Solaia, n. s., fem. *Viridis, capite albo micante, thorace vittis duabus cyaneis, scutello cyaneo-viridi, abdominis basi et segmentorum 2º et 3º marginibus posticis purpureo-cyaneis, palpis antennisque fulvis, pedibus piceis, tibiis ferrugineis, alis sublimpidis.*

Body beset with a few black hairs and bristles: head covered
white lustre; a pitchy stripe fringed with bristles between the
ets and the feelers; epistoma tawny, slightly prominent; sides
e face beset with bristles for near half the length from the base:
red; fore part flat, composed of larger facets than those else-
re: sucker pitchy, clothed at the tip with pale tawny hairs;
i tawny, beset with black bristles: feelers dull tawny, as long
he face; third joint nearly linear, very slightly convex above,
beneath, rounded at the tip, full four times the length of the
nd joint; bristle dark tawny, feathered with black hairs, much
ger than the third joint: chest green, slightly covered with
te bloom, adorned with two indistinct blue stripes; scutcheon
sh green: abdomen green, obconical, equal to the chest in
gth and breadth; first segment and hind borders of the two
owing segments dark purplish blue: legs pitchy, clothed with
k hairs and bristles; shanks ferruginous; foot-cushions tawny:
gs nearly colourless; wing-ribs and veins tawny; veins pitchy
ards the tips; tip cross-vein forming a slightly obtuse angle with
fourth longitudinal vein, almost straight, but with an indistinct
ard curve along the whole length, joining the border a little
ve the tip of the wing; lower cross-vein nearly straight, but hav-
slight traces of the two usual curves; scales white, with pale
ow borders. Length of the body 3 lines; of the wings 6 lines.

——?

MUSCA Proerna, n. s., fem. *Viridis, purpureo et cyaneo varia, palpis antennisque fulvis, pedibus nigris, alis limpidis basi subfulvis.*

Body beset with black hairs and bristles: head blue, tinged with purple, green and covered with white bloom in front; crown broad; a pitchy stripe between the eyelets and the feelers; epistoma not prominent; face pitchy, its sides beset with bristles at the base: eyes red; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, nearly as long as the face; third joint slender, linear, conical at the tip, more than four times the length of the second joint; bristle tawny, feathered with tawny hairs, longer than the third joint: chest green; cross-suture brassy; hind part and scutcheon blue, mingled with purple: abdomen obconical, broader and a little shorter than the chest, tinged with blue and purple at the tip: legs black, clothed with black hairs and bristles; foot-cushions pale yellow: wings quite colourless, pale tawny at the base; wing-ribs and veins pale tawny; tip cross-vein joined to the fourth longitudinal vein by an outward curve, very slightly curved inward from thence to the tip, joining the border a very little above the tip of the wing; lower cross-vein very slightly curved outward at the base and at the tip, its middle part occupied by a slight inward curve; scales buff. Length of the body 3 lines; of the wings 6 lines.

a. ——— ?

MUSCA muralis, *Barnston's MSS. Viridis, cyaneo purpureoque varia, capite nigro, palpis ferrugineis, antennis pedibusque nigris, femoribus cyaneis, alis subcinereis.*

Body beset with a few black hairs and bristles; head black; epistoma tawny, prominent; sides of the face tawny, fringed with bristles towards the base: eyes bright red; fore part rather flat, composed of larger facets than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi pale ferruginous, beset with black bristles: feelers black, as long as the face; third joint rather deep, linear, truncated at the tip, full four times the length of the second joint; bristle much longer than the third joint: chest and abdomen green, mingled with blue and purple: abdomen obconical, a little shorter but hardly broader than the chest: legs black, clothed with black hairs and bristles; thighs blue; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein

two extremely slight curves, the lower inward, not more than the length of the other, which is outward, and sometimes almost rceptible; scales white, with yellow borders. Length of the 4 lines; of the wings 8 lines.

. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CA purpurascens, *Walker*, *Linn. Trans.* xvii. 355, 64.
. Catherine, Brazil. Presented by the Entomological Club.

CA Phara, n. s., fem. *Purpurea, capite albo micante, palpis antennis pedibusque nigris, femoribus purpureis, alis limpidis.*

Body bright purple, clothed with black hairs and bristles: head inent in front, adorned with white lustre in front and on the y stripe between the eyelets and the feelers; epistoma slightly inent; sides of the face fringed with stout bristles along the e breadth: eyes dark red: fore part flat, its facets much larger those elsewhere: sucker black, clothed at the tip with a few y hairs; palpi black, beset with black bristles: feelers black, a hoary tinge, a little shorter than the face; third joint linear, led at the tip, nearly thrice the length of the second joint; e very much longer than the third joint: abdomen obconical, a broader and shorter than the chest: legs black, clothed with hairs and bristles; thighs purple; foot-cushions tawny: s colourless; wing-ribs pitchy; veins black; tip cross-vein ing with the fourth longitudinal vein a very obtuse angle, n is somewhat rounded, straight thence to the tip, joining the r a short distance above the tip of the wing; lower cross-vein two slight curves, the lower inward, more distinct than the , which is outward; scales whitish, with pale yellow borders. th of the body 4 lines; of the wings 8 lines.

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CA Mazaca, n. s., fem. *Purpurea, thoracis abdominisque discis cyaneo-viridibus, palpis antennis pedibusque nigris, femoribus cyaneo-purpureis, alis limpidis.*

Body beset with a few black hairs and bristles: head purple, a silvery covering in front; a black stripe between the eyelets the feelers; epistoma rather prominent; sides of the face pront at the base, fringed with bristles along the whole length: pitchy; fore part slightly convex, its facets larger than those here: sucker and palpi black, the latter beset with black bris-

tles: feelers black, much shorter than the face; third joint hardly more than twice the length of the second, flat above, slightly convex beneath, obliquely truncated at the tip: bristle very stout, nearly twice the length of the third joint: chest and breast purple; disk of the chest bluish green: abdomen purple, obconical, broader and a little shorter than the chest; its disk above and beneath partly bluish green: legs black, clothed with black hairs and bristles; thighs bluish purple: wings colourless; wing-ribs tawny; veins black, tawny at the base; tip cross-vein joined by an outward curve with the fourth longitudinal vein, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein straight for some space from the base, thence slightly curved inward till near the tip, where it has an equally slight, but very short outward curve; scales white, with pale yellow borders. Length of the body 3 lines; of the wings 7 lines.

a. Cape.

Group III. Pyrellia, *Desv. Essai Myod.* 462.

Musca Marsya, n. s. *Cyanea, thorace antico vittis duabus purpureis, abdominis apice fulvo, palpis antennis pedibusque nigris, alis subcinereis.*

Body bright deep blue, clothed with black hairs and bristles: head black, purple in front; epistoma not prominent; sides of the face fringed with bristles for two-thirds of the length: eyes dark red; facets on the fore part larger than those elsewhere: sucker black, pitchy and clothed with a few tawny hairs at the tip; palpi black, long, slender, subclavate, beset with black bristles: feelers black, a little shorter than the face; third joint linear, full four times the length of the second, rounded at the tip; bristle feathered till near the tip, nearly twice the length of the third joint: chest adorned on the fore part with two purple stripes: breast slightly covered with white bloom: abdomen obconical, not longer nor broader than the chest, purplish at the base, bright tawny at the tip, near which there is a gray tinge on each side: legs black, clothed with black hairs and bristles; knees dark ferruginous; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein united with the fourth longitudinal vein by a shallow outward curve, having an almost imperceptible inward curve towards the tip, joining the border a very little above the tip of the wing: lower cross-vein with two very slight curves, the lower inward, more distinct than the other, which is outward; scales gray, with brown borders. Length of the body 4 lines; of the wings 8 lines.

a. ——? From Mr. Children's collection.

Bræsia, n. s. *Purpurea, antennis palpis pedibusque nigris, subcinereis.*

dy bright purple, clothed with black hairs and bristles: epi-
not prominent; sides of the face beset with bristles at the
yes dark red; fore part flat, its facets larger than those else-
sucker and palpi black: feelers black, nearly as long as the
ird joint linear, rounded at the tip, full thrice the length
econd; bristle very much longer than the third joint: abdo-
conical, a little shorter and broader than the chest: legs
lothed with black hairs and bristles: wings slightly gray;
s and veins black; tip cross-vein united by a rather deep
ith the fourth longitudinal vein, straight from thence to the
ing the border at some distance above the tip of the wing;
ss-vein with two very slight curves, the lower inward, longer
e other, which is outward; scales white, with pale yellow
Length of the body 3 lines; of the wings 7 lines.

h Africa. Presented by Dr. A. Smith.

Seplasia, n. s., mas. et fem. *Purpurea, capite nigro, thorace ico cano vittato, abdomine cyaneo, palpis antennis pedibusque ris, alis limpidis.*

dy clothed with black hairs and bristles: head black; epi-
ark ferruginous, slightly prominent; sides of the face beset
stles at the base: eyes red; fore part nearly flat, its facets
ially in the male — larger than those elsewhere: sucker
othed at the tip with tawny hairs; palpi black, beset with
istles: feelers black, nearly as long as the face; third joint
ounded at the tip, full four times the length of the second
ristle deeply feathered, much longer than the third joint:
rple; middle of the fore part adorned with an indistinct
oary stripe: abdomen obconical, blue, shorter but hardly
than the chest: legs black, clothed with black hairs and
; foot-cushions tawny: wings colourless; wing-ribs pitchy;
ack; tip cross-vein united with the fourth longitudinal vein
y shallow curve, straight from thence till near the tip, where
ost imperceptibly curved inward, joining the border a very
ove the tip of the wing; lower cross-vein straight, with the
n of an extremely slight curve in the middle of its course;
hite. Length of the body 3 lines; of the wings 6 lines.

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MUSCA serena, *Meig. Dipt.* v. 59, 18. *Zett. Ins. Lapp.* 656, 3, var. *a.* Lucilia serena, *Macq. Hist. Nat. Dipt.* ii. 258, 32. Pyrellia serena, *Meig. Dipt.* vii. 298, 2. *Zett. Dipt. Scand.* iv. 1322, 3.
a. England.

Group IV. Phormia, *Desv. Essai Myod.* 465.

MUSCA mollis, Barnston's MSS. *Viridis, abdomine cyaneo-viridi purpureo vario, pedibus nigris, alis cinereis.*

Head wanting: chest and abdomen clothed with black hairs and bristles: chest dark green: abdomen elliptical, longer than the chest, bluish green, tinged with purple: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward, straight in the latter part of its course, joining the border a little above the tip of the wing; lower cross-vein almost straight for near half its length, curved outward from thence to the tip; scales yellow. Length of the body $2\frac{3}{4}$ lines; of the wings $5\frac{1}{2}$ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

F. Muscidæ cæruleæ, *Desv. Essai Myod.* 429.

Group I. Mufetia, *Desv. Essai Myod.* 431.

Group II. Achias, *Bosc. Fabr. Syst. Antl.* 247.

Group III. Calliphora, *Desv. Essai Myod.* 433.

MUSCA Gulo, *Fabr. Syst. Antl.* 283, 2. *Wied. Auss. Zweif.* ii. 384, 1. Calliphora Gulo, *Macq. Hist. Nat. Dipt.* ii. 263, 7.
a. ——— ? From Mr. Children's collection.

MUSCA vomitoria, *Linn. Syst. Nat.* ii. 989. *Faun. Suec.* 1831. *Reaum. Ins.* iv. *pl.* 12, 24. *De Geer, Ins.* vi. 57, 4. *Roesel Ins.* ii. *pl.* 9, 10. *Geoff. Ins.* ii. 524, 59. *Schrank. Ins. Austr.* 926. *Harr. Ex.* 86, *pl.* 25, *f.* 18. *Berk. Syn.* i. 164. *Shaw, Gen. Zool.* vi. 383, *pl.* 107, *f. infr.* *Panz. Faun. Germ.* x. 19. *Fall. Musc.* 47, 22. *Meig. Dipt.* v. 60, 21, vii. 300, 2. *Dahlb. Skand. Ins.* 318, 217, *pl.* 2, *f.* 23. *Zett. Ins. Lapp.* 656, 14. *Dipt. Scand.* iv. 1328, 1. M. carnivora, *Fabr. Ent. Syst.* iv. 313, 4. *Syst. Antl.* 285, 5. M. mortuorum, *Fabr. Syst.*

tl. 290, 32. Volucella vomitoria, *Schrank*, *Faun. Boic.* iii. 8. Calliphora fulvibarbis, *Desv. Essai Myod.* i. 434. *cq. Hist. Nat. Dipt.* ii. 262, 3.
and.
ce.

erythrocephala, *Meig. Dipt.* v. 62, 22, vii. 300, 2. *Zett.* *. Lapp.* 656, 15. *Dipt. Scand.* iv. 1329, 2. M. carnaria, *g. Ins.* vi. 29, 4. *Herbst. Gem. Nat.* viii. 107. M. vomi-ia minimus? *Harr. Ex.* 87, *pl.* 25, *f.* 22, 10. Calliphora nitoria, *Desv. Essai Myod.* 435, 3. *Macq. Hist. Nat. Dipt.* 262, 2. *pl.* 16, *f.* 6.
and.
ce.
—? From Mr. Children's collection.
and. Presented by the Entomological Club.
holm. Presented by F. Walker, Esq.
aranda. Presented by F. Walker, Esq.
. Presented by F. Walker, Esq.
la-Chapelle. Presented by F. Walker, Esq.

Spitzbergensis. Calliphora Spitzbergensis, *Desv. Essai* *yod.* 435, 6.
zbergen.

quadrimaculata, *Swed. Stock. Nya Handl.* viii. 289, 49.
Zealand. Presented by Dr. Sinclair.

cadaverum, *Kirby*, *North Amer. Zool. Ins.* 316, 1.
Martin's Falls, Albany River, Hudson's Bay. Presented by Barnston, Esq.

aurulans. Calliphora aurulans, *Desv. Essai Myod.* 437, 11.
Martin's Falls, Albany River, Hudson's Bay. Presented by Barnston, Esq.

compressa. Calliphora compressa, *Desv. Essai Myod.* 438, .
Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.

vicina. Calliphora vicina, *Desv. Essai Myod.* 435, 5.
Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.
a Scotia. From Lieut. Redman's collection.

MUSCA Lilæa, n. s., fem. *Nigra, canescens, capite ferrugineo fulvoque vario, abdomine purpureo apice cyaneo, palpis rufo-fulvis, antennis nigris, pedibus ferrugineis, tarsis nigris, alis cinereis.*

Allied to *M. vomitoria*, but not more than half the size: body clothed with black hairs and bristles: head black, ferruginous about the base of the feelers, tawny on each side of the face; epistoma tawny, prominent; sides of the face fringed with bristles for more than half the length from the base: eyes brassy red; fore part slightly convex, its facets small: sucker black, clothed at the tip with tawny hairs; palpi reddish tawny, beset with black bristles: feelers black, as long as the face; second joint ferruginous; third joint soft, deep, linear, rounded at the tip, full four times the length of the second; bristle longer than the third joint: chest black, tinged with hoary bloom: abdomen elliptical, bright purple, tinged with hoary bloom, blue towards the tip, much broader and a little longer than the chest: legs dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions dark tawny: wings gray; wing-ribs and veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein with the two usual curves, which are very indistinct; scales gray, with dingy white borders. Length of the body 3—3½ lines; of the wings 7—8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

MUSCA Hortona, n. s., fem. *Cinereo-nigra, abdomine cyaneo, apice subtus purpureo, antennis piceis, palpis pedibusque nigris, alis cinereis.*

Body black, dull, clothed with black hairs and bristles: crown flat, very broad; epistoma not prominent; sides of the face bristly at the base: eyes coppery; fore part convex, its facets very small: sucker black, clothed at the tip with tawny hairs; palpi black: feelers pitchy; second joint ferruginous; third joint decreasing in depth from the base to the tip, which is conical, full four times the length of the second; bristle black, very much longer than the third joint: chest tinged with gray: abdomen bright blue, obconical, much broader, but hardly longer than the chest; tip tinged with purple beneath: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs and veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight

thence to the tip, joining the border at some distance above p of the wing; lower cross-vein with two curves, the lower in- shorter than the other, which is outward; scales gray, with pale yellow borders. Length of the body 3 lines; of the 7 lines.

w Zealand. Presented by Dr. Sinclair.

A equestris, *Meig. Dipt.* v. 57, 13. Lucilia equestris, *Macq. Hist. Nat. Dipt.* ii. 253, 10.
gland.
ance.
pland. Presented by the Entomological Club.

A viridescens. Calliphora viridescens, *Desv. Essai Myod.* 37, 12.
orida. Presented by E. Doubleday, Esq.
va Scotia. From Lieut. Redman's collection.

A chrysorrhæa, *Meig. Dipt.* v. 68, 20. Calliphora chrysorhæa, *Macq. Hist. Nat. Dipt.* ii. 263, 4.
-la-Chapelle. Presented by F. Walker, Esq.

Group IV. Melinda, *Desv. Essai Myod.* 439.

A cærulea, *Meig. Dipt.* v. 63, 23. M. cognata, *Meig. Dipt.* i. 374, vii. 300, 4. Melinda cærulea, *Desv. Essai Myod.* 439, . Calliphora cærulea? *Macq. Hist. Nat. Dipt.* ii. 264, 8. Sarcophaga cærulea, *Zett. Dipt. Scand.* iv. 1310, 30.
gland.
ance.
——? From Mr. Children's collection.

A Ilerda, n. s., fem. *Nigra, capite aureo micante, abdomine purpureo-cyaneo, palpis fulvis, antennis piceis, pedibus nigris, alis subcinereis.*

Body beset with a few black hairs and bristles: head black, ed with gold lustre in front; facials and epistoma pale ferrus, the latter prominent: sides of the face fringed with bristles ore than half the length: eyes dark red; fore part slightly x, its facets small: sucker black, clothed at the tip with tawny ; palpi tawny, beset with black bristles: feelers pitchy, shorter the face; second joint ferruginous above; third joint nearly times the length of the second, deep, nearly linear, truncated at ip; bristle much more than twice the length of the third joint,

feathered for three-fourths of the length: chest black: abdomen blue, nearly elliptical, tinged with purple, broader than the chest; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inwards along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales gray, with yellowish white borders. Length of the body 3 lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca Phauda, n. s., mas. *Cyanea, capite fulvo, thoraci fasciis æneis viridibusque, abdomine cyaneo-viridi apice purpureo, antennis piceis, basi palpisque fulvis, pedibus ferrugineis, femoribus cinereo-piceis, alis subcinereis.*

Body clothed with black hairs and bristles: head yellowish brown above, bright tawny on the crown, clothed beneath with bright yellow hairs; epistoma slightly prominent; sides of the face fringed with bristles on nearly the whole length: eyes dark red: fore part nearly flat, its facets larger than those elsewhere: sucker pitchy, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, shorter than the face; second joint armed with a stout bristle; third joint pitchy, tawny at the base, decreasing in depth from the base to the tip, which is rounded, nearly four times the length of the second joint; bristle rather less than twice the length of the third joint, very stout for less than half the length from the base: chest blue, covered with white bloom, adorned with bronze and green bands: abdomen elliptical, shorter than the chest, bluish green, tinged with purple towards the tip: legs dark ferruginous, clothed with black hairs and bristles; thighs pitchy, tinged with gray; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward for more than half the length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two deep curves, the lower inward, the upper outward; scales gray, with pale borders. Length of the body 3 lines; of the wings 6 lines.

a. Galapagos. Presented by C. Darwin, Esq.

Musca Icela, n. s., fem. *Nigra, thorace vittis cinereis, abdomine cyaneo-purpureo, palpis fulvis, antennis nigris, ferrugineo cinctis, pedibus nigris, alis cinereis.*

Body clothed with black hairs and bristles: head covered with oary bloom, adorned above with a tawny covering on each side of he crown; epistoma slightly prominent; sides of the face beset with ristles for one-third of the length: eyes dark red; facets on the ore part rather larger than those elsewhere: sucker black, clothed t the tip with tawny hairs; palpi tawny, beset with black bristles: eelers black, as long as the face; tip of the second joint and base f the third joint ferruginous; third joint linear, nearly truncated t the tip, about four times the length of the second; bristle much nger than the third joint: chest black, adorned with gray stripes: reast tinged with gray: abdomen elliptical, brilliant purple, minled with blue, a little shorter and broader than the chest: legs lack, clothed with black hairs and bristles; thighs tinged with ray; knees ferruginous; foot-cushions pitchy: wings gray; wingibs and veins black; tip cross-vein forming an obtuse angle with he fourth longitudinal vein, having a short and extremely shallow nward curve near the base, straight from thence to the tip, joining he border a little above the tip of the wing; lower cross-vein with wo slight curves, the lower inward, the other outward; scales gray, ith dingy white borders. Length of the body $2\frac{3}{4}$ lines; of the ings 6 lines.

. New Zealand. Presented by Dr. Sinclair.

Musca Thuscia, n. s., fem. *Cinereo-nigra, capite antico fulvo, abdomine purpureo albo-micante, palpis fulvis, antennis nigris fulvo-cinctis, pedibus nigris, alis cinereis.*

Body clothed with black hairs and bristles: head ferruginous on the crown, tawny in front, black with a hoary tinge behind and beneath; epistoma prominent; sides of the face fringed with bristles on nearly the whole length: eyes red; fore part slightly convex, its facets small: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, nearly as long as the face; tip of the second joint and base of the third joint tawny; third joint deep, soft, nearly linear, rounded at the tip, more than four times the length of the second joint: chest and breast black, tinged with gray: abdomen elliptical, purple with white reflections, much broader but not longer than the chest: legs black, clothed with black hairs and bristles; thighs tinged with gray; knees ferruginous; foot-cushions pitchy: wings gray; wing-ribs pitchy; veins black; tip cross-vein forming a very slightly acute angle

with the fourth longitudinal vein, much curved inward near the base, straight towards the tip, joining the border a little above the tip of the wing; lower cross-vein with two slight curves, the lower inward, shorter than the other, which is outward; scales very dark gray, with dingy white borders. Length of the body 5 lines; of the wings 10 lines.

a. Fayal. From. Mr. Children's collection.

Musca Metilia, n. s., mas. *Cinereo-nigra, scutello cyaneo, abdomine cyaneo-nigro, palpis fulvis, antennis pedibusque nigris, alis limpidis basi subfuscis.*

Body clothed with black hairs and bristles: head black, ferruginous on each side of the epistoma, which is tawny and slightly prominent; sides of the face fringed with bristles at the base: eyes red; fore part nearly flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; third joint linear, truncated at the tip, full four times the length of the second: chest and breast black, tinged with gray: scutcheon dark blue: abdomen elliptical, bluish black, a little broader but not longer than the chest: legs black, clothed with black hairs and bristles: wings colourless, brownish at the base; wing-ribs and veins dark tawny: tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border a little above the tip of the wing; lower cross-vein with a very slight inward curve, almost straight from thence to the tip; scales yellowish white, with yellow borders. Length of the body 4 lines; of the wings 8 lines.

a. Nepaul. From the Hardwicke bequest.

Musca Pandia, n. s., fem. *Nigro-cinerea, thorace nigro-quadrivittato, abdomine albo-viridi, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head very prominent about the base of the feelers, adorned in front with tawny lustre, and along the outer borders of the eyes with hoary lustre, which communicates with the sides of the face; a broad pitchy furrowed stripe between the eyelets and the feelers; epistoma not prominent; sides of the face ferruginous, fringed with bristles at the base: eyes red; fore part slightly convex, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black (?): feelers black, shorter than the face; third joint flat above, slightly convex beneath, rounded at the tip, less than twice

the length of the second joint: bristle very slender, stout at the base, feathered for more than half the length, more than twice the length of the third joint: chest and breast tinged with gray: chest adorned with four slender indistinct black stripes: abdomen green, tinged with white bloom, a little broader but not longer than the chest; first segment dull black: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein straight, forming a very obtuse angle with the fourth longitudinal vein, joining the border a very little above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body $2\frac{1}{2}$ lines; of the wings 6 lines.

a. France?

Fusca Unxia, n. s., mas. *Nigro-cinerea, capite antico ferrugineo, abdomine cyaneo-viridi, palpis fulvis, antennis ferrugineis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head ferruginous and covered with white bloom in front; epistoma not prominent; sides of the face fringed with bristles for one-third of the length: eyes red; fore part convex, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers ferruginous, shorter than the face; third joint more or less pitchy, flat above, slightly convex beneath, truncated at the tip, full twice the length of the second joint; bristle ferruginous, feathered with long hairs, about twice the length of the third joint: chest and breast dull black, slightly tinged with gray: abdomen obconical, bluish green, slightly tinged with white, not longer nor broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny; wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the upper outward; scales slightly gray, with tawny borders. Length of the body 2 lines; of the wings 4 lines.

Var. β. Tip cross-vein straight.

a. Italy. From Dr. Leach's collection.
b. France?

B. Muscidæ Armentariæ, *Desv. Essai Myod.* 390.

Group I. Plaxemya, *Desv. Essai Myod.* 392.

Group II. Byomya, *Desv. Essai Myod.* 392.

Group III. Sphora, *Desv. Essai Myod.* 394.

Group IV. Musca, *Desv. Essai Myod.* 394.

MUSCA corvina, *Fabr. Sp. Ins.* ii. 440, 21. *Fabr. Ent. Syst.* iv. 320, 31. *Syst. Antl.* 294, 49. *Gmel. Ed. Syst. Nat.* i. 5, 2841, 180. *Fall. Musc.* 48, 25. *Meig. Dipt.* v. 69, 32, vii. 300, 17. *Desv. Essai Myod.* 396, 4. *Macq. Hist. Nat. Dipt.* ii. 266, 4, *pl.* 16, *f.* 17. *Zett. Ins. Lapp.* 659, 23. *Dipt. Scand.* iv. 1336, 8. M. ludifica, *Fabr. Ent. Syst.* iv. 323, 46. *Syst. Antl.* 298, 73. *Panz. Faun. Germ.* 105, 13. M. autumnalis, *Deg. Ins.* vi. 41, 12. M. nigripes, *Panz. Faun. Germ.* lx. 19. M. Tau, *Schrank, Ins. Austr.* 458, 931.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. Aix-la-Chapelle. Presented by F. Walker, Esq.
e. Malta.
f. Nova Scotia. From Lieut. Redman's collection.

MUSCA vitripennis *Meig. Dipt.* v. 73, 38, *pl.* 43, *f.* 34.
a. England.

MUSCA domestica, *Linn. Syst. Nat.* ii. 990. *Faun. Suec.* 1833. *Gmel. Ed. Syst. Nat.* i. 5, 2841, 69. *Fabr. Sp. Ins.* ii. 436, 7. *Ent. Syst.* iv. 315, 11. *Syst. Antl.* 287, 18. *Deg. Ins.* vi. 35, 10, *pl.* 4, *f.* 5—10. *Geoff. Ins.* ii. 528, 66. *Schell. Gen. Mouch. pl.* 1. *Schrank, Ins. Austr.* 928. *Faun. Boic.* iii. 2490. *Harr. Ex.* 142, *pl.* 41, *f.* 44. *Berk. Syn.* i. 165. *Stew. El.* ii. 258. *Turt.* iii. 598. *Fall. Musc.* 49, 26. *Meig. Dipt.* v. 67, 31. *Desv. Essai Myod.* 398, 10. *Dahlb. Scand. Ins.* 319, 218. *Macq. Hist. Nat. Dipt.* ii. 1335, 7. *Zett. Ins. Lapp.* 659, 24. *Dipt. Scand.* iv. 1335, 7.

a. England.
b France.
c. ——— ? From Mr. Children's collection.
d. Lapland. Presented by the Entomological Club.

CA australis, *Macq. Voy. de Léguillon, Dipt. Exot.* ii. 3, 152, 6, *pl.* 20, *f.* 10.
ew Holland. Presented by the Haslar Hospital.

CA basilaris, *Macq. Dipt. Exot.* ii. 3, 153, 8.
maica. From Mr. Children's collection.

CA Alpesa, n. s., mas. *Nigra, capite albo micante, thoraci vittis tribus latis canis, abdomine fulvo flavo-micante basi vittaque nigris, antennis palpis pedibusque nigris, alis limpidis.*

Body clothed with black hairs and bristles: head black, adorn-ith white lustre; epistoma prominent; sides of the face fringed bristles along the whole length: eyes red, meeting on the ; fore part flat, its facets much larger than those elsewhere: r black, clothed at the tip with tawny hairs; palpi black, slen-long, curved, beset with black bristles: feelers black, shorter the face; third joint slightly decreasing in depth from the base e tip, which is rounded, about four times the length of the se-joint; bristle twice the length of the third joint: chest black, ned with three broad hoary stripes: abdomen obconical, pale y, a little shorter but hardly broader than the chest, adorned pale yellow reflections, black at the base, and having a black which tapers from the base to the tip: legs black, clothed black hairs and bristles; foot-cushions tawny: wings colour-wing-ribs tawny; veins black, tawny towards the base; tip -vein forming an obtuse angle with the fourth longitudinal very slightly curved inward along the whole length, joining order a short distance above the tip of the wing; lower cross-with two very slight curves, the lower inward, the other out-; scales pale tawny. Length of the body 3 lines; of the s 7 lines.

erra Leone. Presented by the Rev. D. F. Morgan.

CA Taitensis, *Macq. Dipt. Exot.* ii. 3, 153, 7, *pl.* 20, *f.* 8.
ew Zealand. Presented by Dr. Sinclair.

CA Osiris? *Wied. Auss. Zweif.* ii. 420, 62.
gypt. Presented by Sir Gardner Wilkinson.

CA antiquissima, n. s., fem. *Cana, capite flavo micante, abdominis lateribus basi fulvis, palpis antennis pedibusque nigris, alis limpidis basi subfulvis.*

Body hoary, clothed with black hairs and bristles: head ned with pale yellow lustre along the borders of the eyes: epi-

stoma slightly prominent; sides of the face fringed with short bristles for half the length from the base: eyes pitchy; fore part flat, its facets rather larger than those elsewhere: sucker and palpi black, the latter beset with black bristles: feelers black, a little shorter than the face; third joint linear, slender, rounded at the tip, full thrice the length of the second joint; bristle about twice the length of the third joint: abdomen obconical, a little shorter, but not broader than the chest, adorned with a large tawny spot on each side of the base: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings colourless, slightly tawny at the base; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein almost straight; scales pale yellow; poisers tawny. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. New Holland.

Musca vetustissima, n. s., fem. *Cana, capite albo micante, thorace vittis duabus latis nigris, abdomine cano-cinereo, palpis nigris, antennis piceis basi nigris, pedibus piceis, alis limpidis basi albis.*

Body hoary, clothed with black hairs and bristles: head adorned with white lustre; a black stripe between the eyelets and the feelers; epistoma not prominent; sides of the face feathered with bristles at the base: eyes red; fore part flat, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint pitchy, linear, rounded at the tip, about thrice the length of the second joint; bristle pitchy, black at the tip, about twice the length of the third joint: chest adorned with two broad black stripes: abdomen obconical, gray, with hoary reflections, a little broader, but not longer than the chest: legs pitchy, clothed with black hairs and bristles; foot-cushions tawny: wings colourless, white at the base; wing-ribs and veins pale tawny; veins darker towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly inclined inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein nearly straight; scales white; poisers pale yellow. Length of the body 2 lines; of the wings 4 lines.

a. New Holland. Presented by the Entomological Club.

A primitiva, n. s., fem. *Nigra, canescens, capite albo micante, horaci vittis duabus latis cinereis, abdomine fulvo micante subessellato, palpis antennis pedibusque nigris, alis limpidis.*

Body black, with a hoary covering, clothed with black hairs ristles: head covered with pale yellow bloom, adorned with lustre in front; a broad hoary stripe fringed with short bristles en the eyelets and the feelers; epistoma not prominent; sides face beset with bristles at the base: eyes bright red; fore nearly flat, its facets very small: sucker and palpi black: s black, nearly as long as the face; third joint linear, slender, what truncated at the tip, full four times the length of the sejoint; bristle thick near the base, very much longer than the joint: chest adorned with two broad gray stripes: breast cowith pale yellow bloom: abdomen nearly oval, adorned with tawny reflections, slightly tessellated, a little shorter and er than the chest; under side hoary: legs black, clothed with hairs and bristles: wings colourless: wing-ribs yellow; veins yellow towards the base; tip cross-vein forming an obtuse with the fourth longitudinal vein, slightly curved inward the whole length, joining the border a little above the tip of ing; lower cross-vein straight for half the length, very slightly l outward from thence to the tip; scales white, with pale borders. Length of the body 2½ lines; of the wings 5 lines.

ina. Presented by G. T. Lay, Esq.

A prisca, n. s., fem. *Nigra, palpis antennis pedibusque nigris, lis limpidis.*

Body black, clothed with black hairs and bristles: eyes red; art convex; all the facets very small: sucker and palpi black: s black: legs black, clothed with black hairs and bristles; ushions pitchy: wings colourless; wing-ribs and veins yellow; pitchy towards the tips; tip cross-vein forming an obtuse anith the fourth longitudinal vein, very slightly curved inward the whole length, joining the border at a short distance above p of the wing: lower cross-vein with two very slight curves, wer inward, the upper outward; scales white, with pale yelorders; poisers tawny. Length of the body 2 lines; of the s 4 lines.

ew Holland. Presented by the Haslar Hospital.

Musca Moneta, n. s., fem. *Nigra, capite pectore thoracisque vittis quatuor cinereis, abdomine nigro tessellato, palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head gray, a black stripe fringed with bristles between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with bristles along half the length from the base: eyes dark red, downy; fore part slightly convex, its facets very small: sucker black, pitchy and clothed with tawny hairs at the tip; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint full twice the length of the second, flat above, slightly convex beneath, obliquely truncated at the tip; bristle black, more than twice the length of the third joint, stout near the base, feathered with short hairs for almost half the length: chest adorned with four gray stripes; scutcheon bordered with gray: breast gray: abdomen nearly elliptical, tessellated with gray, a little broader and longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming with the fourth longitudinal vein a slightly obtuse angle, which is far from the border of the wing, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight, but slightly waving; scales white, with pale yellow borders. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. France?
b. Lapland? Presented by the Entomological Club.

Musca Doclea, n. s., fem. *Nigro-cinerea, capite ferrugineo, abdomine viridi basi nigro, antennis ferrugineis, palpis pedibusque fulvis, alis cinereis basi costaque fulvis.*

Body black, clothed with black hairs and bristles: head ferruginous, dark brown on the crown, with a tawny bloom in front; a dark ferruginous stripe fringed with bristles between the feelers and the eyelets; epistoma not prominent; sides of the face fringed with bristles at the base: sucker black, clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers ferruginous, much shorter than the face; third joint covered with tawny bloom, nearly linear, rounded at the tip, full twice the length of the second; bristle black, very much longer than the third joint: chest and breast dark gray: abdomen dark green, obconical, a little broader and shorter than the chest; first and second segments dull black: legs tawny, clothed with black hairs and bristles; feet dark tawny;

black: wings gray, tawny at the base and along the fore
rs: wing-ribs and veins tawny; veins pitchy towards the tips;
oss-vein forming a very obtuse angle with the fourth longitudi-
in, very slightly curved inward near the base, straight from
e to the tip, joining the border at some distance above the tip
wing; lower cross-vein with two distinct curves, the lower in-
the other outward; scales tawny. Length of the body 2½
of the wings 5½ lines.

——?

A Calleva, n. s., fem. *Cinerea, capite antico æneo, thorace vit-
is quatuor nigris, abdomine fulvo micante subtessellato, anten-
is piceis basi nigris, palpis pedibusque nigris, alis limpidis.*

Body gray, beset with black hairs and bristles: head black on
rown, brassy in front; epistoma not prominent; sides of the
ringed with bristles along half the length: eyes pitchy; fore
lightly convex, its facets hardly larger than those elsewhere:
r black, clothed at the tip with tawny hairs; palpi black, be-
th black bristles: feelers black, shorter than the face; third
pitchy, nearly linear, rather deep, rounded at the tip, about
the length of the third joint; bristle very slender, thick at
ase, very much longer than the third joint: chest adorned with
black stripes: abdomen obconical, a little shorter and broader
the chest, adorned with tawny lustre, slightly tessellated: legs
, clothed with black hairs and bristles; foot-cushions tawny:
s colourless; wing-ribs tawny; veins black; tip cross-vein
ng an obtuse angle with the fourth longitudinal vein, very
ly curved inward along the whole length, joining the border a
above the tip of the wing; lower cross-vein almost straight, but
g three extremely slight inward curves; middle curve with a
at each end; scales white, with pale yellow borders. In the
escribed there is an outward stump near the tip of the lower
-vein of the right wing. Length of the body 2½ lines; of the
s 5 lines.

terior of South Africa. Presented by the Earl of Derby.

D. Muscidæ Tomentosæ, *Desv. Essai Myod.* 410.

Group I. Stomina, *Desv. Essai Myod.* 411.

Group II. Pollenia, *Desv. Essai Myod.* 412.

Musca rudis, *Fabr. Syst. Antl.* 287, 16. *Fall. Musc.* 48, 24. *Meig. Dipt.* v. 66, 28, vii. 301, 38. *Zett. Ins. Lapp.* 659, 22. *Dipt. Scand* iv. 1339, 11. Pollenia rudis, *Desv. Essai Myod.* 414, 1. *Macq. Hist. Nat. Dipt.* ii. 269, 1, *pl.* 16, *f.* 18.

a. England.
b. France.

Musca Læmica, *White's MSS.*, mas. *Fulva, capite supra nigro, thoracis disco cinereo vittis sex fuscis, abdomine viridi aureo tessellato, antennis nigris basi ferrugineis, palpis pedibusque fulvis, tarsis nigris, alis limpidis basi fulvis.*

Body tawny, clothed with black hairs and bristles: head black above, pale tawny in front, thickly clothed beneath with golden hairs; a pitchy stripe widening from the eyelets to the feelers; facials obliquely striated; epistoma prominent; sides of the face fringed with bristles along half the length: eyes brassy red; face part flat, composed of much larger facets than those elsewhere: sucker black, pitchy and clothed with pale tawny hairs at the tip: palpi bright tawny, slender, slightly clavate, beset with black bristles: feelers black, a little shorter than the face; first and second joints ferruginous; third joint linear, rounded at the tip, full four times the length of the second; bristle very much longer than the third joint: disk of the chest gray, adorned with six indistinct dark brown stripes; breast thinly clothed with golden hairs: abdomen dark green, obconical, a little shorter and broader than the chest, tessellated with golden reflections, thickly clothed at the base and beneath with bright golden hairs: legs pale tawny, clothed with black hairs and bristles; feet black; foot-cushions dark tawny: wings colourless, tawny at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the other outward and very much deeper than the first; scales pale gray; poisers tawny. Length of the body $4\frac{1}{2}$—5 lines; of the wings 9—10 lines.

a. New Zealand. Presented by Dr. Sinclair.
b. New Holland. Presented by the Earl of Derby.
c. South Sea Isles. Presented by Capt. Sir E. Home.
d. Swan River. Presented by Sir J. Richardson.
e. Swan River. From Mr. Turner's collection.
f. West Australia. From Mr. Clifton's collection.

Musca dorsalis, n. s., mas. et fem. *Fulva, capite supra ferrugineo ad ocellos piceo, thoracis abdominisque discis cyaneo-cinereis, palpis antennis pedibusque fulvis, tarsis nigris, alis subcinereis basi fulvis.*

Body tawny: head ferruginous above, pitchy about the eyelets, othed beneath with golden hairs; epistoma prominent; sides of e face fringed with hairs along two-thirds of the length: eyes red; re part flat, its facets much larger than those elsewhere: sucker ack; palpi tawny, beset with black bristles: feelers tawny, nearly long as the face; third joint linear, pitchy, rounded at the tip, wny beneath and at the base, about six times the length of the seond; bristle pitchy, longer than the third joint, feathered to the p with long hairs: chest bluish gray: scutcheon blue: back of e abdomen adorned with a broad bluish stripe: legs tawny, othed with black hairs and bristles; feet black; foot-cushions wny: wings slightly gray, tawny at the base; tip cross-vein with o distinct curves, the upper outward, deeper than the other, which inward; scales pale tawny; poisers tawny. Length of the body lines; of the wings 9 lines.

. New Holland. Presented by J. Hunter, Esq.
. New Holland.

Group III. Nitellia, *Desv. Essai Myod.* 417.

Musca vespillo, *Fabr. Ent. Syst.* iv. 318, 26. *Syst. Antl.* 292, 39. *Meig. Dipt.* v. 65, 27, vi. 374. *Fall. Act. Holm.* 1816, 247, 23. *Musc.* 47, 23. *Zett. Ins. Lapp.* 658, 20. Var. *a.* et *β.* M. sepulcralis, *Meig. Dipt.* v. 71, 34, vii. 300, 10. Volucella corvina, *Schrank, Faun. Boic.* iii. 2496. Musca recurvo? *Harr. Ex.* 85, *pl.* 25, *f.* 17. Nitellia vespillo, *Desv. Essai Myod.* 417, 1. Sarcophaga vespillo, *Zett. Dipt. Scand.* iv. 1307, 28.

. England.
. France.
. ——? From Mr. Children's collection.
. Ukraine. Presented by Dr. Dowler.
. Nova Scotia. From Lieut. Redman's collection.
. Nova Scotia.
. ——? Presented by the Entomological Club.

MUSCA meditabunda, *Fabr. Sp. Ins.* ii. 444, 46. *Ent. Syst.* iv. 322, 43. *Syst. Antl.* 297, 68. *Gmel. Ed. Syst. Nat.* i. 5, 2845, 203. *Panz. Faun. Germ.* 44, 23. *Fall. Musc.* 50, 28. *Meig. Dipt.* v. 79, 49. *Zett. Ins. Lapp.* 660, 26. M. Serpo, *Harr. Ex.* 144, *pl.* 42, *f.* 54. Cyrtoneura meditabunda, *Macq. Hist. Nat. Dipt.* ii. 275, 2. *Meig. Dipt.* vii. 309, 16. *Zett. Dipt. Scand.* iv. 1357, 11.

a. England.
b. ———? Presented by the Entomological Club.
c. Aix-la-Chapelle. Presented by F. Walker, Esq.
d. Alten. Presented by F. Walker, Esq.
e. Nova Scotia. From Lieut. Redman's collection.

Group II. Morellia, *Desv. Essai Myod.* 405.

MUSCA hortorum, *Fall. Act. Holm.* 1816, 252, 33. *Musc.* 52, 33. *Meig. Dipt.* v. 3, 39, *pl.* 43, *f.* 33. *Zett. Ins. Lapp.* 560, 30. M. importuna, *Hal. Ent. Mag.* iv. 149. Anthomyia hortorum, *Wied. Zool. Mag.* i. 1, 83, 35. Morellia hortorum, *Haliday, Ann. Nat. Hist.* 1839, 185. Cytoneura hortorum, *Macq. Hist. Nat. Dipt.* ii. 276, 5. *Meig. Dipt.* vii. 309, 1. *Zett. Dipt. Scand.* iv. 1346, 1.

a. England.
b. France.
c. ———? Presented by the Entomological Club.
d. Alten. Presented by F. Walker, Esq.

MUSCA Nora, n. s., mas. *Nigra, thorace vittis quinque cinereis, abdomine flavo-fusco micante subtus cinereo, antennis palpis pedibusque nigris, alis subcinereis.*

Body black, thickly clothed with black hairs and bristles: head adorned in front with silky white lustre; epistoma ferruginous, not prominent; sides of the face fringed with bristles at the base; a double row of bristles on the crown: eyes red; fore part flat, its facets larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi black, curved, beset with black bristles: feelers black, shorter than the face; third joint linear, nearly truncated at the tip, about four times the length of the second; bristle stout towards the base, nearly twice the length of the third joint: chest adorned with five broad, indistinct, gray stripes; breast tinged with gray: abdomen elliptical, as long as the chest, adorned with yellowish brown reflections, grayish beneath: legs black, clothed with black hairs and bristles; foot-cushions

yellow: wings slightly gray; wing-ribs pitchy; veins black; cross-vein united with the fourth longitudinal vein by an exely shallow curve, and having an almost imperceptible inward e from thence to the tip, joining the border just below the tip he wing; lower cross-vein with two very slight curves, the lower ird, more distinct than the other, which is outward; scales y white, with yellow borders; poisers tawny. Length of the y 2½ lines; of the wings 5 lines.

Lapland. Presented by the Entomological Club.
France.

SCA tempestiva, *Fall. Musc.* 53, 36. *Meig. Dipt.* v. 76, 44. *Zett. Ins. Lapp.* 661, 31. M. nana? *Meig. Dipt.* vi. 375, 51. Cyrtoneura tempestiva, *Meig. Dipt.* vii. 309, 6. *Zett. Dipt. Scand.* iv. 1349, 4. C. nana? *Meig. Dipt.* vii. 309, 8.
England.
——— ? From Mr. Children's collection.

SCA Aluta, n. s., fem. *Nigro-fusca, thorace vittis quinque cinereis, abdomine flavo-fusco tecto, antennis palpis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head covered dull tawny bloom; crown broad; epistoma slightly prominent; s of the face beset with bristles at the base: eyes red; fore part htly convex, its facets small: sucker black, clothed at the tip tawny hairs; palpi black, beset with black bristles: feelers ck, a little shorter than the face; third joint linear, truncated at tip, full four times the length of the second joint; bristle longer the third joint: chest dark brown, adorned with five indistinct ry stripes: breast tinged with gray: abdomen elliptical, a little ader but not longer than the chest, adorned with a yellowish wn covering: legs black, clothed with black hairs and bristles; t-cushions pitchy: wings slightly gray; wing-ribs tawny; veins ck, pitchy towards the base; tip cross-vein united to the fourth gitudinal vein by a very shallow outward curve, straight from nce till near the tip, where it is very slightly inclined inward, ing the border just below the tip of the wing; lower cross-vein h a rather deep outward curve in the middle, and having a short l slight inward curve at each end; scales white, with pale tawny ders; poisers tawny. Length of the body 2½—3 lines; of the gs 5—6 lines.

Lapland?
France?

In one wing of an insect of this species the lower cross-vein ds forth a stump into the disk.

MUSCA Calisia, n. s. *Cinerea, thorace vittis quatuor nigris, abdomine nigro, cano et ad apicem fulvo-micante, palpis antennis pedibusque nigris, alis subcinereis.*

Body gray, clothed with black hairs and bristles: head hoary in front; a black stripe between the eyelets and the feelers; epistoma not prominent; sides of the face bristly at the base: eyes pitchy; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, truncated at the tip, full four times the length of the second joint; bristle deeply fringed, longer than the third joint: chest adorned with four black stripes: abdomen black, obconical, a little shorter but hardly broader than the chest, adorned with hoary, and towards the tip with tawny reflections, tawny beneath and on each side of the base above: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 2½ lines; of the wings 5 lines.

a. South Africa. Presented by the Entomological Club.

Group III. Muscina, *Desv. Essai Myod.* 406.

MUSCA stabulans, *Fall. Musc.* 52, 32. *Meig. Dipt.* v. 75, 42, *pl.* 43, *f.* 35. *Zett. Ins. Lapp.* 660, 29. Anthomyia cinerascens, *Wied. Zool. Mag.* i. 1, 79, 28. Musca prodeo, *Harr. Ex.* 141, *pl.* 41, *f.* 41. Muscina stabulans, *Desv. Essai Myod.* 407, 2. Cyrtoneura stabulans, *Macq. Hist. Nat. Dipt.* ii. 277, 10. *Meig. Dipt.* vii. 309, 3. *Zett. Dipt. Scand.* iv. 1354, 9.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. ——— ? Presented by the Entomological Club.
e. Aix-la-Chapelle. Presented by F. Walker, Esq.
f. Nova Scotia. From Lieut. Redman's collection.

Group IV. Dasyphora, *Desv. Essai Myod.* 409.

A agilis, *Meig. Dipt.* v. 70, 33. Morellia agilis? *Desv. Essai Myod.* 405, 1. Curtonevra agilis? *Macq. Hist. Nat. Dipt.* ii. 76, 6.
gland.
nce.

ANTHOMYIA, *Meigen.*

A. Aricinæ, *Desv. Essai Myod.* 473.

α. Aricinæ Terrestres, *Desv. Essai Myod.* 476.

Group I. Macrosoma, *Desv. Essai Myod.* 402.

OMYIA lardaria, *Meig. Dipt.* v. 83, 1. Musca lardaria, *Fabr. Sp. Ins.* ii. 436, 5. *Ent. Syst.* iv. 313, 5. *Syst. Antl.* 285, 6. *Gmel. Ed. Syst. Nat.* i. 5, 2840, 175. *Fall. Musc.* 54, 37. M. levidus, *Harr. Ex. pl.* 36, *f.* 52. Macrosoma lardaria, *Desv. Essai Myod.* 402, 1. Aricia lardaria, *Macq. Hist. Nat. Dipt.* ii. 286, 1. *Meig. Dipt.* vii. 313, 1. *Zett. Dipt. Scand.* v. 1386, 1. Anthomyza lardaria, *Zett. Ins. Lapp.* 661, 1.
gland.
nce.

Group II. Fellæa, *Desv. Essai Myod.* 476.

OMYIA urbana, *Meig. Dipt.* v. 118, 60. Musca lenis, *Harr. Ex.* 147, *pl.* 43, *f.* 66. M. Angelicæ, var. β. rustica, *Fall. Musc.* 79. Fellæa fera, *Desv. Essai Myod.* 477, 1. Aricia urbana, *Macq. Hist. Nat. Dipt.* ii. 292, 27. Hylemyia urbana, *Meig. Dipt.* vii. 316, 62. Anthomyza urbana, *Zett. Dipt. Scand.* iv. 1651, 17.
gland.

OMYIA Angelicæ, *Hoffmansegg, Meig. Dipt.* v. 117, 59. *Ahrens Faun.* 10, *pl.* 25. *Zett. Ins. Lapp.* 688, 120.? Musca Angelicæ, *Scop. Ent. Carn.* 880. *Fall. Musc.* 78, 94. M. deceptoria, *Gmel. Ed. Syst. Nat.* v. 2844, 202. *Schrank, Ins. Austr.* 458, 932. Hylemyia Angelicæ, *Meig. Dipt.* vii. 316, 61. Anthomyza Angelicæ, *Zett. Dipt. Scand.* iv. 1643, 8.
x-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA incana, *Wied. Zool. Mag.* i. 81, 32. *Meig. Dipt.* v. 84, 3. *Zett. Ins. Lapp.* 662, 3. Musca vicanus? *Harr. Ex.* 152, *pl.* 45, *f.* 78. M. nemorum, *Fall. Musc.* 55, 39. Fellæa nigripes, *Desv. Essai Myod.* 477, 3. Aricia incana, *Macq. Hist. Nat. Dipt.* ii. 286, 4. *Meig. Dipt.* vii. 313, 3. *Zett. Dipt. Scand.* iv. 1389, 3.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group III. Mydæa, *Desv. Essai Myod.* 478.

ANTHOMYIA pagana, *Meig. Dipt.* v. 116, 58. *Zett. Ins. Lapp.* 691, 132. Musca pagana, *Fabr. Ent. Syst.* iv. 326, 61. *Syst. Ant.* 288, 23. *Fall. Musc.* 79, 95. M. princeps? *Harr. Ex.* 151, *pl.* 45, *f.* 76. Mydæa scutellaris *Desv. Essai Myod.* 480, 8. Aricia pagana, *Macq. Hist. Nat. Dipt.* ii. 290, 21. Hylemyia pagana, *Meig. Dipt.* vii. 316, 60. Anthomyza pagana, *Zett. Dipt. Scand.* iv. 1696, 68.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA ruralis, *Meig. Dipt.* v. 101, 32. Mydæa nigripes, *Desv. Myod.* 481, 9. Aricia ruralis, *Macq. Hist. Nat. Dipt.* ii. 291, 25.

a. England.

Group IV. Phaonia, *Desv. Essai Myod.* 482.

ANTHOMYIA erratica, *Meig. Dipt.* v. 111, 49. Musca erratica, *Fall. Musc.* 77, 92. M. validus, *Harr. Ex.* 124, *pl*, 36, *f.* 50. Phaonia viarum, *Desv. Myod.* 482, 1. Aricia erratica, *Macq. Hist. Nat. Dipt.* ii. 287, 7, *pl.* 17. *f.* 1. *Meig. Dipt.* vii. 314, 16. Anthomyza erratica, *Zett. Dipt. Scand.* iv. 1693, 65.

a. England.

b. ——? From Mr. Children's collection.

ANTHOMYIA signata, *Meig. Dipt.* v. 113, 52. Phaonia vagatoria? *Desv. Myod.* 483, 2, Aricia signata, *Macq. Hist. Nat. Dipt.* ii. 288, 10. *Meig. Dipt.* vii. 314, 19. Anthomyza signata, *Zett. Dipt. Scand.* iv. 1638, 2.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group V. Triennia, *Desv. Essai Myod.* 484.

OMYIA errans, *Meig. Dipt.* v. 112, 50. *Zett. Ins. Lapp.* 688, 19. Musca revolo? *Harr. Ex.* 124, *pl.* 36, *f.* 51. M. erraca, *Fall. Musc.* 77, 92, var. β. Triennia nigricornis, *Desv. Myod.* 484, 1. Aricia errans, *Macq. Hist. Nat. Dipt.* ii. 287, . *Meig. Dipt.* vii. 314, 17. Anthomyza errans, *Zett. Dipt. Scand.* iv. 1636, 1.
gland.

Group VI. Euphemia, *Desv. Essai. Myod.* 485.

Group VII. Aricia, *Desv. Essai. Myod.* 486.

OMYIA impuncta, *Meig. Dipt.* v. 118, 61. *Zett. Ins. Lapp.* 91, 133. Musca impuncta, *Fall. Musc.* 79, 96. Aricia impunctata? *Desv. Myod.* 487, 8. A. impuncta, *Macq. Hist. Nat. Dipt.* ii. 293, 31. Hylemyia impuncta, *Meig. Dipt.* vii. 316, 63. *Zett. Dipt. Scand.* iv. 1698, 69.
gland.
x-la-Chapelle. Presented by F. Walker, Esq.

Group VIII. Rohrella, *Desv. Essai Myod.* 489.

OMYIA testacea, *Meig. Dipt.* v. 116, 57. Musca testacea, *Fabr. Sp. Ins.* ii. 440, 22. *Ent. Syst.* iv. 320, 32. *Gmel. Ed. Syst. Nat.* i. 5, 2842, 181. *Panz. Faun. Germ.* ix. 14. M. subventus, *Harr. Ex.* 145, *pl.* 43, *f.* 60. M. scutellaris, *Fall. Musc.* 90, 123. Rohrella testacea, *Desv. Essai Myod.* 490, 1. Aricia testacea, *Macq. Hist. Nat. Dipt.* ii. 290, 17.
gland.
ance.

OMYIA Populi, *Meig. Dipt.* v. 115, 55. Musca testacea, *Deg. Ins.* vi. 42. M. pallida, var. *Fall. Musc.* 89, 122. Aricia Populi, *Macq. Hist. Nat. Dipt.* ii. 289, 15. *Meig. Dipt.* vii. 314, 22. Anthomyza Populi, *Zett. Dipt. Scand.* v. 1742, 124.
ngland.

ANTHOMYIA militaris, *Meig. Dipt.* v. 136, 94. Hydrotæa militaris, *Macq. Hist. Nat. Dipt.* ii. 304, 2.
a. England.

ANTHOMYIA bidens, *Wied. Meig. Dipt.* v. 135, 92.
a. England.

ANTHOMYIA cunctans, *Meig. Dipt.* v. 133, 89.
a. England.

Group XVI. Blainvillia, *Desv. Essai Myod.* 514.

Group XVII. Ophyra, *Desv. Essai Myod.* 516.

ANTHOMYIA leucostoma, *Meig. Dipt.* v. 160, 136, vii. 326, 1. *Zett. Ins. Lapp.* 667, 28. Musca leucostoma, *Wied. Zool. Mag.* i. 1, 82, 34. *Fall. Musc.* 61, 56.? M. diabolus? *Harr. Ex.* 126, *pl.* 36, *f.* 58. Ophyra leucostoma, *Macq. Hist. Nat. Dipt.* ii. 308, 1, *pl.* 17, *f.* 5.
a. England.

Group XVIII. Peronia, *Desv. Essai Myod.* 517.

Group XIX. Limnophora, *Desv. Essai Myod.* 517.

ANTHOMYIA buccata, *Meig. Dipt.* v. 146, 108, vii. 326, 14. Musca buccata, *Fall. Musc.* 65, 65. Limnophora buccata, *Macq. Hist. Nat. Dipt.* ii. 312, 12. Aricia buccata, *Zett. Dipt. Scand.* iv. 1506, 116.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group XX. Cuculla, *Desv. Essai Myod.* 523.

Group XXI. Zaphne, *Desv. Essai Myod.* 527.

B. Limosellæ, *Desv. Essai Myod.* 528.

Group I. Caricea, *Desv. Essai Myod.* 530.

Group II. Limosia, *Desv. Essai Myod.* 535.

Group III. Palusia, *Desv. Essai Myod.* 542.

C. Anthomydæ, *Desv. Essai Myod.* 545.

a. Hylemydæ, *Desv. Essai. Myod.* 549.

Group I. Hylemya, *Desv. Essai Myod.* 550.

THOMYIA præpotens, *Hoffmansegg*, *Wied. Zool. Mag.* i. 83, 36. *Meig. Dipt.* v. 127, 80. *Ahrens*, *Faun.* 10, 24. Musca præpotens, *Fall. Musc.* 83, 106. Hylemyia præpotens, *Macq. Hist. Nat. Dipt.* ii. 316, 1, *pl.* 17, *f.* 8. *Meig. Dipt.* vii. 317, 78, *pl.* 74, *f.* 11. Anthomyza præpotens, *Zett. Dipt. Scand.* iv. 1701, 75.
England.

THOMYIA strigosa, *Meig. Dipt.* v. 131, 87. *Zett. Ins. Lapp.* 689, 125. Musca strigosa, *Fabr. Ent. Syst.* iv. 321, 39. *Syst. Antl.* 296, 61. M. vagans, *Panz. Faun. Germ.* 59, 18. M. conica, var. β., &c. *Fall. Musc.* 83, 107. Hylemyia strigosa, *Macq. Hist. Nat. Dipt.* ii. 317, 3. *Meig. Dipt.* vii. 316, 41. Anthomyza strigosa, *Zett. Dipt. Scand.* iv. 1654, 20.
England.

HOMYIA fuscata, *Meig. Dipt.* v. 126, 78, *pl.* 44, *f.* 8. Musca fuscata, *Fall. Musc.* 85, 109. Hylemyia fuscata, *Meig. Dipt.* vii. 316, 77. Anthomyza fuscata, *Zett. Dipt. Scand.* iv. 1665, 30.
ix-la-Chapelle. Presented by F. Walker, Esq.

HOMYIA ruralis, *Meig. Dipt.* v. 101, 32.
ngland.

Group II. Egeria, *Desv. Essai Myod.* 555.

HOMYIA Cardui, *Meig. Dipt.* v. 104, 37.
ix-la-Chapelle. Presented by F. Walker, Esq.

HOMYIA pullula. A. longula, *Meig. Dipt.* v. 103, 36. Hylemyia longula, *Macq. Hist. Nat. Dipt.* ii. 321, 23. *Meig. Dipt.* vii. 315, 16. Aricia pullula, *Zett. Dipt. Scand.* iv.
ix-la-Chapelle. Presented by F. Walker, Esq.

HOMYIA pusilla, *Meig. Dipt.* v. 151, 118.
ix-la-Chapelle. Presented by F. Walker, Esq.

HOMYIA assimilis, *Meig. Dipt.* v. 105, 39. Musca assimilis, *Fall. Musc.* 56, 41.
ix-la-Chapelle. Presented by F. Walker, Esq.

b. Herbicolæ, *Desv. Essai Myod.* 556.

Group III. Nerina, *Desv. Essai Myod.* 557.

Group IV. Adia, *Desv. Essai Myod.* 558.

Group V. Phorbia, *Desv. Essai Myod.* 559.

Group VI. Chlöe, *Desv. Essai Myod.* 560.

Group VII. Leucophora, *Desv. Essai Myod.* 562.

c. Chorelleæ, *Desv. Essai Myod.* 564.

Group VIII. Fannia, *Desv. Essai Myod.* 567.

ANTHOMYIA scalaris, *Meig. Dipt.* v. 141, 102, vii. 326, 19. *Macq. Hist. Nat. Dipt.* ii. 333, 2. *Zett. Ins. Lapp.* 681, 87. A. manicata? *Leon Dufour, Ann. Sci. Nat. Extr.* 5, 2. Musca scalaris, *Fabr. Ent. Syst.* iv. 332, 83. *Syst. Antl.* 305, 106. *Fall. Musc.* 69, 73. Fannia saltatrix, *Desv. Essai Myod.* 567, 1. Aricia scalaris, *Zett. Dipt. Scand.* iv. 1575, 189.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA manicata, *Meig. Dipt.* v. 140, 100, vii. 327, 71. *Macq. Hist. Nat. Dipt.* ii. 333, 1. A. armillata, *Zett. Ins. Lapp.* 679, 76. Var. Musca scalaris, *Fall. Musc.* 69, 73. Aricia manicata, *Zett. Dipt. Scand.* iv. 1576, 190.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group IX. Philinta, *Desv. Essai Myod.* 568.

ANTHOMYIA canicularis, *Meig. Dipt.* v. 143, 104, vii. 326, 22. *Macq. Hist. Nat. Dipt.* ii. 334, 5. *Zett. Ins. Lapp.* 681, 88. Musca canicularis, *Linn. Syst. Nat.* ii. 992. *Faun. Suec.* 1841. *Gmel. Ed. Syst. Nat.* i. 5, 2847, 80. *Fabr. Sp. Ins.* ii. 443, 38. *Ent. Syst.* iv. 329, 70. *Syst. Antl.* 303, 97. *Schrank, Ins. Austr.* 462, 938. *Stew, El.* ii. 259. *Turt.* iii. 607. *Fall. Musc.* 69, 72. M. domestica minor, *Deg. Ins.* vi. 14, 5. M. socio, *Harr. Ex.* 147, *pl.* 43, *f.* 69, mas. M. constans, *Harr. Ex.* 149, *pl.* 43, *f.* 75, fem.? M. socio minor, *Harr. Ex.* 153. *pl.* 45, *f.* 83, var.? Aricia canicularis, *Zett. Dipt. Scand.* iv. 1573.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA lepida, *Meig. Dipt.* v. 140, 101. Musca lepida? *Wied. Zool. Mag.* i. 82, 33. *Fall. Musc.* 76, 90. Anthomyza lepida? *Zett. Ins. Lapp.* 686, 110. Aricia lepida? *Zett. Dipt. Scand.* iv. 1595, 209.
. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group X. Aminta, *Desv. Essai Myod.* 569.

Group XI. Delia, *Desv. Essai Myod.* 571.

Group XII. Anthomya, *Desv. Essai Myod.* 581.

ANTHOMYIA pluvialis, *Meig. Dipt.* v. 163, 141, vii. 327, 30. *Macq. Hist. Nat. Dipt.* ii. 340, 30, *pl.* 17, *f.* 13. *Zett. Ins. Lapp.* 680, 85. Musca pluvialis, *Linn. Syst. Nat.* 992. *Faun. Suec.* 1844. *Gmel. Ed. Syst. Nat.* i. 5, 2847, 83. *Fabr. Sp. Ins.* ii. 443, 40. *Ent. Syst.* iv. 329, 71. *Syst. Antl.* 304, 98. *Deg. Ins.* vi. 27, 6. *Schrank, Ins. Austr.* 939. *Faun. Boic.* iii. 2447. *Stew. El.* 260. *Turt.* iii. 607. *Don. Hist. Brit. Ins.* xi. 33, *pl.* 372. *Latr. Gen. Crust.* iv. 346. *Cons. Gén.* 444. *Fall. Musc.* 68, 71. Musca, &c., *Geoff. Ins.* ii. 529, 68. M. litus, *Harr. Ex.* 119, *pl.* 35, *f.* 32. Aricia pluvialis, *Zett. Dipt. Scand.* iv. 1558, 173.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA praticola. A. pratincola, *Panz. Faun. Germ.* 108, 12. A. pratinicola, *Meig. Dipt.* v. 162, 140, vii. 327, 29, *pl.* 74, *f.* 24. *Macq. Hist. Nat. Dipt.* ii. 341, 34. Aricia praticola, *Zett. Dipt. Scand.* iv. 1559, 174.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group XIII. Egle, *Desv. Essai Myod.* 584.

ANTHOMYIA radicum, *Meig. Dipt.* v. 168, 148, vii. 327, 38. *Macq. Hist. Nat. Dipt.* ii. 341, 35. *Zett. Ins. Lapp.* 684, 104. Musca radicum, *Linn. Syst. Nat. Ed.* xii. 2, 992, 79. *Faun. Suec.* 1840. *Gmel. Ed. Syst. Nat.* i. 5, 2846, 79. *Fabr. Sp. Ins.* ii. 443, 35. *Fall. Musc.* 72, 78. M. Napobrassicæ, *Bjerkander, Act. Holm.* 1780, 196. M. decore, *Harr. Ex.* 146, *pl.* 43, *f.* 63. Anthomyia Brassicæ, *Wied. Zool. Mag.* i. 78, 27. Scatophaga ceparum? *Kirby and Sp. Intr. Ent.* i. 190. Egle vulgaris? *Desv. Essai Myod.* 584, 1. Aricia radicum, *Zett. Dipt. Scand.* iv. 1582, 196.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA ruficeps, *Meig. Dipt.* v. 177, 162.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

d. Azelidæ, *Desv. Essai Myod.* 591.

Group XIV. Azelia, *Desv. Essai Myod.* 592.

D. Pegomydæ, *Desv. Essai Myod.* 595.

Group I. Pegomya, *Desv. Essai Myod.* 598.

ANTHOMYIA bicolor, *Wied. Zool. Mag.* i. 77, 26. *Meig. Dipt.* v. 185, 177. *Zett. Ins. Lapp.* 696, 158. A. mitis, *Meig. Dipt.* v. 183, 173. Musca bicolor, *Fall. Musc.* 91, 128. M. lustrator, *Harr. Ex.* 148, *pl.* 43, *f.* 72. Pegomyia brunnicornis, *Desv. Essai Myod.* 599, 2. P. bicolor? *Macq. Hist. Nat. Dipt.* ii. 351, 4. P. mitis? *Macq. Hist. Nat. Dipt.* ii. 351, 2. Anthomyza mitis, *Zett. Dipt. Scand.* v. 1773, 157.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA germana, *Meig. Dipt.* v. 185, 176.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group II. Zabia, *Desv. Essai Myod.* 600.

Group III. Phoræa, *Desv. Essai Myod.* 600.

Group IV. Chlorina, *Desv. Essai Myod.* 602.

Group V. Phyllis, *Desv. Essai. Myod.* 603.

ANTHOMYIA diaphana, *Wied. Zool. Mag.* i. 81, 31. *Meig. Dipt.* v. 189, 185, vii. 328, 95. Musca diaphana, *Fall. Musc.* 92, 230. Phyllis flava? *Desv. Essai Myod.* 604, 2. Pegomyia diaphana, *Macq. Hist. Nat. Dipt.* ii. 353, 15. Anthomyza diaphana, *Zett. Dipt. Scand.* v. 1786, 170.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Note.—The following Anthomyiæ accord with Meigen's divisions; the preceding agree with Desvoidy's groups, which will be combined with the species of Meigen and of other authors in a future publication.

Feeler-bristle feathered or hairy, Meig. Dipt. v. pl. 44, f. 1, 2.

a. *Legs black.*

* *Eyes hairy.*

IOMYIA albolineata, *Meig. Dipt.* v. 83, 2. Musca albolineata, *Fall. Musc.* 54, 38. Anthomyza albolineata, *Zett. Ins. Lapp.* 662, 2. Aricia albolineata, *Macq. Hist. Nat. Dipt.* ii. 286, 2. *Meig. Dipt.* vii. 313, 2. *Zett. Dipt. Scand.* iv. 1388, 2.
ngland.

IOMYIA plumbea? *Meig. Dipt.* v. 85, 5. *Zett. Ins. Lapp.* 662, 5. Aricia plumbea, *Meig. Dipt.* vii. 314, 5. *Zett. Dipt. Scand.* iv. 1392, 5.
ngland.

IOMYIA serva, *Meig. Dipt.* v. 86, 6. *Zett. Ins. Lapp.* 663, 10. Aricia serva, *Macq. Hist. Nat. Dipt.* ii. 287, 5. *Meig. Dipt.* vii. 314, 6. *Zett. Dipt. Scand.* iv. 1397, 10.
ngland.

IOMYIA lugubris? *Meig. Dipt.* v. 87, 8. Aricia lugubris? *Meig. Dipt.* vii. 1400, 13. *Zett. Dipt. Scand.* iv. 1400, 13.
ngland.

HOMYIA obscurata, *Meig. Dipt.* v. 89, 12. *Zett. Ins. Lapp.* 664, 12. Aricia obscurata, *Meig. Dipt.* vii. 314, 12. *Zett. Dipt. Scand.* iv. 1394, 8, var. Anthomyza Sahlbergi, *Zett. Ins. Lapp.* 664, 13.
ngland.

HOMYIA Rugia, n. s., fem. *Nigro-cinerea, thorace subvittato abdomine nigro-æneo cano micante, palpis antennis pedibusque, nigris, alis nigro-fuscis.*

Body black, slightly shining, clothed with black hairs and les: front of the head adorned with gray lustre; epistoma ıtly prominent; sides of the face without bristles: eyes dark hairy; fore part nearly flat, all the facets very small: sucker and i black; sucker clothed with tawny hairs; palpi beset with k bristles: feelers black, a little shorter than the face; third t slightly increasing in depth from the base to the tip, which is ost truncated, more than twice the length of the second joint; tle full twice the length of the third joint, its first and second ts short, but distinct; third joint tapering, feathered with very

short hairs: chest slightly tinged with gray, which has some indistinct paler stripes: abdomen elliptical, brassy black, adorned with hoary reflections, hardly broader or longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings blackish brown, darkest at the base; wing-ribs and veins black; tip cross-vein with two slight curves, the lower inward and more distinct than the other, which is outward; scales grayish white, with yellow borders; poisers black. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

** *Eyes not hairy.*

ANTHOMYIA litorea, *Meig. Dipt.* v. 90, 13.? *Zett. Ins. Lapp.* 670, 38. Musca litorea, *Fall. Musc.* 63, 60. Cænosia litorea? *Meig. Dipt.* vi. 334. Aricia litorea, *Zett. Dipt. Scand.* iv. 1473, 83.

a. England.

ANTHOMYIA notata, *Meig. Dipt.* v. 90, 14. Musca notata, *Fall. Musc.* 62, 59. Spilogaster notata, *Macq. Hist. Nat. Dipt.* ii. 296, 10. Hylemyia notata, *Meig. Dipt.* vii. 316, 22. Aricia notata, *Zett. Dipt. Scand.* iv. 1412, 25.

a. England.

ANTHOMYIA duplicata, *Meig. Dipt.* v. 92, 17. *Zett. Ins. Lapp.* 667, 26. Spilogaster duplicata, *Macq. Hist. Nat. Dipt.* ii. 296, 9. Hylemyia duplicata, *Meig. Dipt.* vii. 316, 26. Aricia duplicata, *Zett. Dipt. Scand.* iv. 1410, 23.

a. ——— ? From Mr. Children's collection.

ANTHOMYIA hilaris, *Meig. Dipt.* v. 94, 19, *pl.* 44, *f.* 9. *Zett. Ins. Lapp.* 666, 21. Musca hilaris, *Fall. Musc.* 57, 44. Hylemyia hilaris, *Macq. Hist. Nat. Dipt.* ii. 319, 13. *Meig. Dipt.* vii. 315, 17. Aricia hilaris, *Zett. Ins. Lapp.* iv. 1423, 33.

a. Ukraine. Presented by Dr. Dowler.

ANTHOMYIA puella, *Meig. Dipt.* v. 96, 23.

a. England.

ANTHOMYIA variata, *Meig. Dipt.* v. 97, 24. *Zett. Ins. Lapp.* 667, 25. Musca variata, *Fall. Musc.* 59, 51. Hylemyia variata, *Meig. Dipt.* vii. 315, 8. Aricia variata, *Zett. Dipt. Scand.* iv. 1418, 29.

a. England.

HOMYIA sociata? *Meig. Dipt.* v. 98, 26.
England.

HOMYIA ambigua, *Meig. Dipt.* v. 192, 191. A. divisa, *Meig. Dipt.* v. 99, 27. Musca ambigua, *Fall. Musc.* 56, 13. Anthomyza lineato-collis, *Zett. Ins. Lapp.* 629, 78. Hylemyia divisa, *Meig. Dipt.* vii. 315, 11. Aricia ambigua, *Zett. Dipt. Scand.* iv. 1415, 27.
England.

THOMYIA partita, *Meig. Dipt.* v. 100, 29.
England.

THOMYIA cinerosa. A. cinerella, *Meig. Dipt.* v. 100, 30. Hylemyia cinerella, *Meig. Dipt.* vii. 1450, 61. Aricia cinerosa, *Zett. Dipt. Scand.* iv. 1450, 61.
England.

THOMYIA intermedia, *Meig. Dipt.* v. 102, 34.
England.

THOMYIA albescens? A. albula? *Meig. Dipt.* v. 102, 35. Musca buccata, *Fall. Musc.* 65, 65. Hylemyia albula, *Meig. Dipt.* vii. 315, 15. Aricia albescens, *Zett. Dipt. Scand.* iv. 1520, 130.
——— ? From Mr. Children's collection.

HOMYIA ancilla? *Meig. Dipt.* v. 105, 38.
England.

HOMYIA vespertina, *Meig. Dipt.* v. 107, 41. Musca vespertina, *Fall. Musc.* 58, 49. Hylemyia vespertina, *Meig. Dipt.* vii. 315, 13. Aricia vespertina, *Zett. Dipt. Scand.* iv. 1406, 20.
England.

HOMYIA crassirostris? *Meig. Dipt.* v. 107, 42. Musca flavipennis? *Fall. Musc.* 59, 52.
England.

HOMYIA dentimana, *Megerle, Meig. Dipt.* v. 109, 44.
England.

HOMYIA denigrata, *Meig. Dipt.* v. 110, 46.
England.

HOMYIA asella, *Meig. Dipt.* v. 110, 47.
England.

ANTHOMYIA nigrita, *Meig. Dipt.* v. 110, 48. Musca nigrita, *Fall. Musc.* 60, 53.

a. England.

ANTHOMYIA palposa, *Barnston's MSS.*, fem. *Nigra, capite antice argenteo, antennis palpis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: front of the head adorned with silvery lustre; epistoma not prominent; sides of the face without bristles: eyes dark red; fore part flat, its facets larger than those elsewhere: sucker and palpi black, hairy: feelers black, much shorter than the face; third joint linear, rounded at the tip, about twice the length of the second joint; bristle feathered with long hairs, twice? the length of the third joint: abdomen elliptical, a little longer, but not broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray; wing-ribs and veins black; tip cross-vein straight; scales dingy white, with tawny borders, the lower extending far beyond the upper; poisers ferruginous. Length of the body 3 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA spinosa, *Barnston's MSS.*, mas. et fem. *Nigra, capite anticè cano micante, abdomine nigro-æneo setoso, palpis antennis pedibusque nigris, alis cinereis.*

Body black, thickly clothed with black hairs and bristles; front of the head adorned with hoary lustre; epistoma not prominent; sides of the face without bristles; sucker and palpi black: eyes pitchy, convex; all the facets very small: feelers black, nearly as long as the face; third joint linear, rounded at the tip, about thrice the length of the second joint; bristle feathered with long hairs to the tip, more than twice the length of the third joint: abdomen elliptical, brassy black, longer, but not broader than the chest, very thickly beset with stout black bristles: legs black, clothed with black hairs and bristles; foot-cushions tawny; claws long: wings gray; wing-ribs pitchy; veins black, pitchy at the base; lower cross-vein with three curves, the lower and the upper curves outward, the latter much more distinct than the former, as is also the middle one, which is inward; scales dingy white, with pale tawny borders; poisers tawny. *Female.*—Abdomen bronze black, tinged with gray, less hairy than that of the male. Length of the body 4 lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

OMYIA Apina, n. s., mas. et fem. *Nigro-cinerea, fulvescens, horace nigro trivittato, abdominis segmentis nigro bimaculatis, alpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis asi subfulvis.*

Body black, clothed with black hairs and bristles: head hoary th; front adorned with white lustre; a gray stripe on the increasing in breadth from the eyelets to the base of the ; sides of the face with one or two bristles at the base; epi- not prominent: eyes red, rather flat on the fore part, where cets are a little larger than those elsewhere: sucker black, at the tip, clothed with a few tawny hairs; palpi black, beset black bristles: feelers deep black, a little shorter than the third joint conical, rounded at the tip, a little more than the length of the second; bristle nearly thrice the length of ird joint, its second joint of moderate length, the third stout base, clothed with very short hairs till near the tip: chest ed with a gray covering, which is mingled with tawny colour, as three indistinct black stripes near together; breast hoary: nen obconical, a little longer and narrower than the chest, ed with gray lustre, which has a tawny tinge; a black spot on segment of the back: legs black, tinged with gray, clothed black hairs and bristles; foot-cushions tawny: wings pale with a slight tawny tinge at the base and along the veins he fore border; wing-ribs tawny; veins black, tawny towards ase; lower cross-vein slightly curved inward near the base, ht from thence to the tip; scales small, white, with pale yel- orders, the upper extending a very little beyond the lower; s pale tawny. Length of the body 3 lines; of the wings 6

va Scotia. From Lieut. Redman's collection.

OMYIA Anane, n. s., fem. *Nigro-cinerea, palpis antennisque igris, pedibus nigro-cinereis, alis subcinereis basi costaque ulvis.*

Body black, adorned with a dark gray covering, clothed with hairs and bristles: sides of the face without bristles; epistoma slightly prominent: eyes red, convex; all the facets very : sucker black, clothed at the tip with tawny hairs; palpi , slender, beset with black bristles: feelers black, nearly as as the face; third joint linear, slightly rounded at the tip, less twice the length of the second; bristle feathered with short to the tip, about thrice the length of the third joint: abdomen ical, longer and a little narrower than the chest: legs black,

clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions pitchy: wings pale gray, tawny towards the base and along the fore border; wing-ribs and veins tawny; lower cross-vein very slightly curved inward; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Lipsia, n. s., fem. *Nigro-cinerea, capite cano, abdomine cinereo-fulvo, palpis nigris, antennis ferrugineis, pedibus fulvis, tarsis nigris, alis subfulvis, marginibus posticis subcinereis.*

Body clothed with black hairs and bristles: head black, hoary in front; sides of the face without bristles; epistoma slightly prominent: eyes dark red, convex; facets of the fore part a little larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs towards the tip: palpi black, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint linear, pitchy above and at the tip, which is almost truncated, more than twice the length of the second; bristle black, feathered with very short hairs to the tip, more than twice the length of the third joint, the first joint very short, second of moderate length: chest tinged with gray, adorned with four black stripes, of which the middle pair are parallel, narrow and distinct: abdomen obconical, adorned with a grayish tawny covering, longer than the chest; legs tawny, clothed with black hairs and bristles, rather long; feet black; foot-cushions tawny; fore feet widened towards the tips: wings slightly tawny, grayish along the hind borders; wing-ribs and veins tawny; veins black towards the tips; lower cross-vein much curved inward towards the base, straight from thence to the tip; scales pale tawny, of moderate size, the upper extending a little beyond the lower; poisers yellow, tawny at the base. Length of the body 4 lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Pylone, n. s., fem. *Nigro-fusca, thorace nigro quadrivittato, abdomine subtessellato, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, covered with brown, clothed with black hairs and bristles: sides of the face without bristles; epistoma not prominent: eyes red; fore part rather flat, its facets hardly larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third

: linear, slender, rounded at the tip, nearly four times the length ie second; bristle fringed nearly to the tip with long hairs, : than twice the length of the third joint: chest adorned with black stripes: abdomen obconical, slightly tessellated, a little er and broader than the chest: legs black, tinged with gray, ied with black hairs and bristles; foot-cushions pitchy: wings ıtly gray; wing-ribs tawny; veins black, tawny at the base; s-veins clouded with brown; lower cross-vein straight till near tip, where it is very slightly curved outward; scales of moderate , dingy white, with pale tawny borders, the lower extending ewhat beyond the upper; poisers tawny. Length of the body ıes; of the wings 6 lines.

'orth America. Presented by the Entomological Club.

HOMYIA cana, n. s., mas. *Cana, palpis flavo-albis apice latis, antennis nigris, seta pilis brevissimis hirta, pedibus nigris, alis limpidis.*

Body black, covered with hoary bloom, clothed with black s and bristles: head adorned with white lustre; epistoma not ıinent: sides of the face without bristles: eyes dark red, not y: sucker black, clothed at the tip with tawny hairs; palpi yel- sh white, compressed, very broad: feelers black, very short, ly more than half the length of the face, covered with hoary m; third joint about twice the length of the second, flat above, ıtly convex beneath, rounded at the tip; bristle stout at the , feathered nearly to the tip with very short hairs, a little longer the third joint: abdomen elliptical, a little longer and nar- r than the chest; tip curved beneath, like that of *Phania:* black, covered with hoary bloom, clothed with black hairs and les; foot-cushions tawny: wings colourless; wing-ribs pitchy; s black; lower cross-vein slightly curved inward; scales white, large. Length of the body 2 lines; of the wings 4 lines.

'ew Holland. Presented by the Entomological Club.

HOMYIA nigripennis, *Barnston's MSS.*, fem. *Nigra, capite cinereo micante, abdomine nigro-æneo, palpis antennis pedibusque nigris, alis cinereis, basi venarumque marginibus nigro-fuscis.*

Body black, slightly shining, clothed with black hairs and les; front of the head adorned with gray lustre; epistoma ıtly prominent; sides of the face without bristles: eyes red; part nearly flat, all the facets very small: sucker and palpi k; sucker pitchy towards the tip, clothed with tawny hairs; i beset with black bristles: feelers black, a little shorter than

the face; third joint slightly increasing in depth from the base to the tip, which is almost truncated; bristle full twice the length of the third joint, feathered with hairs of moderate length: abdomen elliptical, brassy black, hardly broader or longer than the chest; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings dark gray, blackish at the base and along the borders of the veins; wing-ribs and veins black; tip cross-vein straight along half the length from the base, slightly curved outward from thence to the tip; scales yellow, with pitchy borders. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Omole, n. s., fem. *Nigro-cinerea, capite fulvo varia, palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head with a tawny tinge about the eyelets, gray in front and beneath, clothed beneath with hoary hairs; epistoma ferruginous, not prominent; sides of the face fringed with bristles for one-third of the length; eyes red; fore part slightly convex, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, rather deep, slightly rounded at the tip, near four times the length of the second; bristle more than twice the length of the third joint: chest and breast slightly tinged with gray: abdomen elliptical, tinged with gray, a little longer and broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs pitchy; veins black, pitchy towards the base; fourth longitudinal vein slightly curved outwards in its latter course, inclining to the form of a tip cross-vein, joining the border very little below the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales yellowish-white, with pale tawny borders; poisers tawny. Length of the body 3—3½ lines; of the wings 6—7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA similis, *Barnston's MSS.*, fem. *Nigro-cinerea, capite albo micante, thorace subvittato, abdomine subtessellato, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, with a slight dark gray covering, clothed with black hairs and bristles: front of the head adorned with white lustre; epistoma not prominent; sides of the face without bristles

ark red; fore part slightly convex; all the facets very small: and palpi black, hairy: feelers black, as long as the face; joint linear, truncated at the tip, full thrice the length of the l joint; bristle feathered with rather long hairs, about twice ngth of the third joint: chest indistinctly striped: abdomen a little longer and broader than the chest, slightly tessellated gray reflections: legs black, clothed with black hairs and bris- foot-cushions tawny: wings gray; wing-ribs and veins pitchy; oss-vein with two very slight curves, the lower inward, the outward; third longitudinal vein a little inclined upward to- the tip; scales dingy white, the lower extending far beyond per; poisers tawny. Length of the body 3½—4 lines; of the 7—8 lines. Allied to *Musca*.

ar. β. Borders of the scales tawny.

Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.

OMYIA nigra, *Barnston's MSS.*, fem. *Nigro-fusca, abdomine inereo subtessellato, palpis antennis pedibusque nigris, alis cine- eis.*

Body black, with a slight dark brown covering, clothed with hairs and bristles: epistoma slightly prominent; sides of the ristly at the base: eyes red, convex; all the facets small: and palpi black, hairy: feelers black, as long as the face; joint linear, rounded at the tip, more than twice the length of cond; bristle feathered with long hairs, more than twice the of the third joint: abdomen oval, slightly tessellated with gray reflections, a little longer and broader than the chest: black, clothed with black hairs and bristles; foot-cushions ; wings gray; wing-ribs and veins black; lower cross-vein ht at the base and having two curves from thence to the tip, wer inward, much deeper than the other, which is outward; longitudinal vein slightly inclined upward towards the tip; dingy white, with pale tawny borders. Allied to *Musca*. h of the body 4 lines; of the wings 8 lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.

OMYIA Teate, n. s. *Nigro-fusca, capite antico fulvo, thorace ubvittato, abdomine cinereo vitta nigra ornato, palpis antennis edibusque nigris, alis flavo-cinereis.*

Body black, thickly clothed with black hairs and bristles: of the head adorned with a tawny covering; epistoma slightly nent; sides of the face without bristles: eyes dark red; fore

part nearly flat; all the facets very small: sucker and palpi black, hairy: feelers black; third joint deep, linear, rounded at the tip, much longer than the second; bristle stout and feathered with short hairs towards the base, very slender from thence to the tip, about thrice the length of the third joint: chest with a dark brown covering, indistinctly striped: abdomen gray, oval, adorned with a single black stripe, a little longer and broader than the chest: legs black, clothed with black hairs and bristles; shanks ferruginous; foot-cushions tawny: wings yellowish gray; wing-ribs and veins black; tip cross-vein with two curves, the lower inward, shorter and much more distinct than the other, which is outward and very slight: scales white, with pale tawny borders, the lower extending far beyond the upper; poisers tawny. Length of the body $3\frac{1}{2}$ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Orata, n. s., fem. *Nigra, pedibus nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: eyes bright red, convex; all the facets very small: legs black, clothed with black hairs and bristles: wings gray; wing-ribs and veins black: scales dingy white, with tawny borders, the lower extending beyond the upper. Length of the body 3 lines; of the wings 6 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

ANTHOMYIA nigrifrons, *Barnston's MSS.*, fem. *Nigra, flavo-fusco tecta, palpis antennis pedibusque nigris, alis subcinereis ad costam basi subfulvis.*

Body black, adorned with a yellowish brown covering, clothed with black hairs and bristles: epistoma slightly prominent; side of the face without bristles: eyes dark red; fore part convex; all the facets very small: sucker and palpi black, hairy: feelers black, nearly as long as the face; third joint linear, almost truncated at the tip, more than twice the length of the second joint; bristle feathered with short hairs along the whole length, about twice the length of the third joint: abdomen nearly oval, not longer but broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings pale gray, with a slight tawny tinge along the fore border towards the base; wing-ribs tawny: veins black, tawny towards the base; tip cross-vein straight; scales dingy white, with pale tawny borders; poisers tawny. Length of the body $2\frac{1}{2}$ lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

IOMYIA Barpana, n. s., fem. *Nigro-cinerea, capite albo-mi-ante, thorace trivittato, abdomine cano et ad apicem fulvo mi-ante, palpis antennis pedibusque nigris, alis subfuscis.*

Body black, clothed with black hairs and bristles: front of the adorned with white lustre; epistoma slightly prominent; sides face without bristles: eyes red, convex; all the facets very : sucker and palpi black; sucker clothed with tawny hairs; beset with black bristles: feelers black, a little shorter than ce; third joint nearly linear, truncated at the tip, more than the length of the second joint; bristle tapering, stout at the feathered with hairs of moderate length, more than twice the h of the third joint: chest adorned with three gray stripes, its and the breast tinged with gray: abdomen elliptical, as long s broad as the chest, adorned with hoary lustre, which has a r tinge toward the tip; legs black, clothed with black hairs ristles; foot-cushions tawny: wings slightly brown; wing-ribs eins black; tip cross-vein with two very slight curves, the lower d, the upper outward; scales white, with pale yellow borders; s black. Length of the body 3 lines; of the wings 6 lines.

va Scotia. From Lieut. Redman's collection.

OMYIA Narina, n. s., fem. *Cervina, palpis antennis pedibus-ue nigris, alis subcinereis basi subfulvis.*

Body pale fawn-colour, clothed with black hairs and bristles: and under side of the head hoary: epistoma not prominent; of the face without bristles: eyes pitchy; fore part slightly x; all the facets very small: sucker and palpi black, hairy: s black, shorter than the face; third joint linear, rounded at p, about twice the length of the second; bristle feathered with hairs for full half its length, bare from thence to the tip, more twice the length of the third joint: abdomen nearly elliptical, e broader but not longer than the chest: legs black, clothed black hairs and bristles; foot-cushions pitchy: wings slightly with a tawny tinge towards the base; wing-ribs and veins ; veins yellow at the base; tip cross-vein nearly straight; white, with pale yellow borders; the lower advancing much d the upper; poisers bright pale tawny. Length of the body es; of the wings 5 lines.

va Scotia. From Lieut. Redman's collection.

ANTHOMYIA **Concana**, n. s., fem. *Cinerea, thorace vittis duabus nigris, abdomine maculis quatuor fuscis, palpis antennisque nigris, pedibus piceis, tarsis nigris, alis limpidis.*

Body gray, clothed with black hairs and bristles: epistoma not prominent; sides of the face without bristles: eyes bright red, convex; all the facets very small: sucker and palpi black, clothed with black hairs; feelers black, nearly as long as the face; third joint more than twice the length of the second, linear, its tip truncated above, rounded beneath; bristle slender, deeply feathered, full twice the length of the third joint: chest with two slender black stripes: abdomen obconical, a little longer but not broader than the chest: third and fourth segments adorned with a large brown spot on each side: legs pitchy, clothed with black hairs and bristles; feet black: foot-cushions pale yellow: wings colourless; wing-ribs and veins tawny; cross-veins black; tip cross-vein with two very indistinct curves, the lower outward, the upper inward; scales white, rather large, the lower extending beyond the upper; poisers tawny. Length of the body 2 lines; of the wings 5 lines.

a. China. Presented by G. T. Lay, Esq.

b. *Legs wholly or mostly yellow.*

* *Eyes hairy.*

ANTHOMYIA **vagans**, *Meig. Dipt.* v. 112, 51. *Zett. Ins. Lapp.* 688, 118. Musca vagans, *Fall. Musc.* 78, 93. Aricia vagans, *Macq. Hist. Nat. Dipt.* ii. 288, 9. *Meig. Dipt.* vii. 314, 18. Anthomyza vagans, *Zett. Dipt. Scand.* iv. 1638, 3.

a. England.

ANTHOMYIA **Luteva**, n. s., fem. *Nigro-cinerea, faciei lateribus sordidis telloque ferrugineis, thorace vittis quatuor nigris, abdomine nigro-æneo tessellis cinereis, palpis antennisque nigris, pedibus ferrugineis, femoribus nigro-vittatis, tarsis nigris, alis subcinereis, nervis transversis fusco nebulosis.*

Body black, adorned with a gray covering: epistoma prominent; sides of the face ferruginous, without bristles: eyes red; for part rather flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint full four times the length of the second, slightly increasing in breadth towards the tip, which is rounded; bristle feathered nearly to the tip with long hairs, more than twice the length of the third joint

t adorned with four black stripes; scutcheon ferruginous: ab-
en nearly elliptical, brassy black, tessellated with gray, a little
der, but not longer than the chest: legs ferruginous, clothed
black hairs and bristles; thighs striped with black; feet
; foot-cushions pitchy: wings slightly gray; wing-ribs pitchy;
black; cross-veins clouded with brown; lower cross-vein with
curves, the lower inward, irregular, longer, but much less dis-
than the other, which is outward; scales white, with yellow
ers; poisers tawny. Length of the body 4 lines; of the wings
es.

ova Scotia. From Lieut. Redman's collection.

** *Eyes not hairy.*

HOMYIA modesta, *Wied. Meig. Dipt.* v. 119, 63. Aricia modesta, *Macq. Hist. Nat. Dipt.* ii. 293, 32. Hylemyia modesta, *Meig. Dipt.* vii. 316, 82. Anthomyza modesta, *Zett. Dipt. Scand.* iv. 1699, 71.
rance.

HOMYIA tetrastigma, *Meig. Dipt.* v. 120, 66.
ngland.

HOMYIA clara, *Hoffmansegg, Meig. Dipt.* v. 121, 68.
—— ? From Mr. Children's collection.

HOMYIA simplex, *Wied. Zool. Mag.* i. 84, 38. *Meig. Dipt.* v. 122, 69.
—— ? Presented by the Entomological Club.
—— ? From Mr. Children's collection.

HOMYIA sericata? *Meig Dipt.* v. 124, 74.
rance.

HOMYIA coarctata, *Meig. Dipt.* v. 130, 85. Musca coarctata, *Fall. Musc.* 84, 108. Anthomyza coarctata, *Zett. Ins. Lapp.* 690, 127. *Dipt. Scand.* iv. 1644, 10. Hylemyia coarctata, *Macq. Hist. Nat. Dipt.* ii. 322, 26. *Meig. Dipt.* vii. 316, 41.
ngland.

ANTHOMYIA Bysia, n. s., fem. *Nigro-cinerea, capite antico cano lateribus ferrugineis, thorace nigro trivittato, humeris fulvis, abdomine cano, antennis piceis, basi palpisque ferrugineis, pedibus fulvis, tarsis nigris, alis subfulvis.*

Body slender, black: head and chest tinged with gray: front of the head slightly adorned with hoary lustre; sides of the face ferruginous, without bristles; epistoma not prominent: eyes bright red; fore part slightly convex, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers pitchy, as long as the face: first and second joints ferruginous; third joint linear, rounded at the tip, ferruginous at the base, almost thrice the length of the second joint; bristle feathered to the tip with short hairs, much more than twice the length of the third joint: chest with three black stripes; shoulders tawny: abdomen elliptical, a little longer and broader than the chest, adorned with a hoary covering: legs tawny, slender, clothed with black hairs and bristles; feet black: wings slightly tawny; wing-ribs and veins tawny; tip cross-vein very slightly curved inward along the whole length; scales small, white with yellow borders, the lower not extending beyond the upper; poisers tawny. Length of the body 3 lines; of the wings [illegible] lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Tröene, n. s., fem. *Nigra, fulvo tecta, thorace fusco quadrivittato, scutelli apice abdominisque segmentorum marginibus posticis fulvis, antennis nigris basi ferrugineis, palpis pedibusque fulvis, alis fulvo-subcinereis.*

Body black, clothed with black hairs and bristles, adorned with a fawn-coloured covering: head darker on the crown; epistoma not prominent; sides of the face without bristles: eyes red; fore part slightly convex; all the facets very small: sucker black, clothed with tawny hairs; palpi dark tawny, beset with black bristles: feelers black, as long as the face; first and second joints pale ferruginous; third joint linear, ferruginous at the base, truncated at the tip, about twice the length of the second joint; bristle feathered to the tip with short hairs, much more than twice the length of the third joint: chest adorned with four brown stripes; tip of the scutcheon tawny: abdomen oval, a little broader and longer than the chest; hind borders of the segments tawny: legs tawny, clothed with black hairs and bristles; foot-cushions pale tawny: wings pale gray, with a slight tawny tinge; wing-ribs tawny; veins black, tawny at the base; cross-veins clouded with dark brown; tip cross-

lmost straight, but having a very indistinct inward curve; dingy white, with yellow borders, the lower extending far be- the upper; poisers tawny. Length of the body 3 lines; of ngs 6 lines.

va Scotia. From Lieut. Redman's collection..

OMYIA Æmene, n. s., fem. *Cervina, capite fulvo supra ferru- ineo subtus canescente, thoracis lateribus scutello abdomineque ulvis, hujus suturis nigris, antennis piceis basi fulvis, palpis edibusque fulvis, tarsis nigris, alis fulvis.*

ody clothed with black hairs and bristles: head tawny, ferru- s above, with a hoary tinge beneath; sides of the face without s; epistoma not prominent: eyes red, convex; all the facets mall: sucker pitchy, clothed with tawny hairs; palpi tawny, with black bristles: feelers tawny, much shorter than the face; joint pitchy, linear, ferruginous at the base, almost truncated tip, nearly twice the length of the second joint; bristle black, red to the tip with short hairs, about thrice the length of the joint: chest and breast fawn-colour; sides pale tawny: eon tawny: abdomen tawny, obconical, longer than the sutures of the segments black: legs tawny, clothed with hairs and bristles; feet black; foot-cushions pitchy: wings ; wing-ribs and veins tawny; tips of the veins pitchy; tip vein straight; scales tawny, small, the lower not extending beyond the upper; poisers pale yellow. Length of the body es; of the wings 5 lines.

va Scotia. From Lieut. Redman's collection.

OMYIA Alcathoe, n. s., mas. *Nigra, fulvo tecta, capite cano nticè fulvo, pectore cano. abdomine cano micante, vitta dorsali arginibusque segmentorum posticis nigris, antennis nigris basi rrugineis, palpis pedibusque fulvis, tarsis nigris, alis fulvis, picibus marginibusque posticis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned hoary covering; face pale tawny, its sides without bristles; ma not prominent: eyes dark red; fore part rather flat, its fa- rger than those elsewhere: sucker pitchy, clothed with tawny palpi tawny, slender, beset with black bristles: feelers black, as long as the face; first and second joints ferruginous; third about thrice the length of the second, very slightly convex be- and equally concave above, almost truncated at the tip; feathered to the tip with long hairs, more than twice the of the third joint: chest adorned with a dull pale tawny co-

vering: breast hoary; scutcheon tawny beneath: abdomen obcon-cal, longer than the chest, tawny with hoary reflections, and havin a black stripe on the back, and a black band on the hind border o each segment: legs tawny, clothed with black hairs and bristle feet black; foot-cushions pitchy: wings tawny, pale gray at the tip and along the hind borders; wing-ribs tawny; veins black, tawn towards the base; tip cross-vein curved inward along half th length from the base, almost straight from thence to the tip; scale yellow: wing-ribs tawny. Length of the body 3½ lines; of th wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Lysinoe, n. s., mas. *Nigra, cinereo-fulvo tecta, capi antice albo micante, facie cana lateribus fulvis, thorace nig quadrivittato, abdomine fulvo, antennis nigris basi fulvis, palp pedibusque fulvis, tarsis nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head and che adorned with a grayish tawny covering: head with a white lustre front; face hoary, its sides tawny without bristles; epistoma n prominent: eyes red; fore part rather flat, its facets larger th those elsewhere: sucker pitchy, clothed with tawny hairs; pal tawny, beset with black bristles: feelers black, nearly as long as t face; first and second joints tawny; third joint ferruginous at t base, almost thrice the length of the second joint, very slightly i creasing in depth towards the tip, which is somewhat truncate bristle feathered to the tip with short hairs, much more than tw the length of the third joint: chest with four black stripes: abd men oval, tawny, hardly longer than the chest: legs tawny, cloth with black hairs and bristles; feet black; foot-cushions pale yello large: wings slightly gray; wing-ribs tawny; veins black, tawny the base; tip cross-vein straight; scales dingy white, with yell borders, the lower extending far beyond the upper; poisers tawn Length of the body 2½—3 lines; of the wings 5—6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Ausoba, n. s., fem. *Nigra, cinereo-fulvo vestita, capi supra fulvo subtus cano, antennis palpisque nigris, pedibus fu vis, alis subcinereis basi subfulvis.*

Body black, with a dull grayish tawny covering, clothed wi black hairs and bristles: head bright pale tawny above, hoary b neath; sides of the face without bristles; epistoma not prominen eyes red; fore part almost flat; all the facets very small: suck black, clothed with tawny hairs; palpi black, beset with black br

feelers black, nearly as long as the face; third joint linear, st four times the length of the second, its tip truncated above, ded beneath; bristle feathered nearly to the tip with moderately hairs, much more than twice the length of the third joint: ab- en elliptical, a little longer than the chest: legs tawny, clothed black hairs and bristles; claws black: wings pale gray, tly tinged with tawny towards the base; wing-ribs and veins y; cross-veins darker; tip cross-vein straight; scales white, yellow borders, the lower extending far beyond the upper; rs tawny. Length of the body 3 lines; of the wings 6 lines.

ova Scotia. From Lieut. Redman's collection.

IOMYIA Signia, n. s., fem. *Fulva, capitis vertice nigro, thorace antico vittis tribus canis, abdomine nigro basi fulvo apice subcano, antennis nigris basi fulvis, palpis pedibusque fulvis, tarsis nigris, alis subfulvis.*

Body tawny, beset with black hairs and bristles: crown of the black; sides of the face without bristles; epistoma not pro- nt: eyes red; fore part slightly convex, its facets a little larger those elsewhere: sucker black, clothed with tawny hairs; pal- wny, beset with black bristles: feelers black, nearly as long as ace; first and second joints tawny; third linear, truncated at p, almost thrice the length of the second joint; bristle fea- d to the tip with very short hairs, almost thrice the length of hird joint: fore part of the chest adorned with three indistinct stripes: abdomen black, oval, a little longer and broader than hest, with a hoary tinge towards the tip; first segment and of the second and third segments tawny: legs tawny, clothed black hairs and bristles; feet black; foot-cushions pale tawny: slightly tawny; wing-ribs tawny; veins black, tawny to- the base; tip cross-vein with two very indistinct curves, the outward, the other inward; scales yellow, of moderate size, ower extending a little beyond the upper; poisers tawny. near allied to *A. Geldria*. Length of the body 3¼ lines; of ings 6½ lines.

ova Scotia. From Lieut. Redman's collection.

IOMYIA Peroe, n. s., fem. *Fulva, facie albo micante, thorace antico vittis tribus canis, abdominis apice nigro, palpis antennis pedibusque fulvis, alis subfulvis.*

Body tawny, clothed with black hairs and bristles: face ed with white lustre, its sides without bristles; epistoma not inent: eyes red; fore part slightly convex, its facets much

larger than those elsewhere: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, as long as the face; third joint long, linear, tinged with white, rounded at the tip, more than four times the length of the second joint; bristle feathered with long hairs, pitchy towards the tip, less than twice the length of the third joint: fore part of the chest adorned with three hoary stripes: abdomen a little longer than broad, black towards the tip, rather shorter than the chest: legs tawny, clothed with black hairs and bristles; claws black: wings slightly tawny; wing-ribs tawny; veins pitchy, tawny towards the base; tip cross-vein much curved inward along half the length from the base, almost straight from thence to the tip; scales pale yellow, with yellow borders, the lower extending far beyond the upper; poisers tawny. Length of the body 3½ lines; of the wings 8 lines.

a. Madras. Presented by Walter Elliot, Esq.

Male.?—Eyes black: third joint of the feelers dark tawny, slightly increasing in depth towards the tip, hardly thrice the length of the second joint: fourth and fifth abdominal segments black, adorned with a tawny stripe, and with tawny hind borders: wings veins black; tip cross-vein slightly curved inward.

a. East India. From Archdeacon Clerk's collection.

ANTHOMYIA Geldria, n. s., fem. *Fulva, capite cano micante, thorace antico vittis tribus canis, abdominis vitta dorsali nigra, femoribus tenuis nigris basi ferrugineis, palpis pedibusque fulvis, tarsis fuscis, alis subfulvis.*

Body tawny, clothed with black hairs and bristles: face and sides of the crown adorned with hoary lustre; sides of the face without bristles; epistoma not prominent: eyes dark red, convex: facets of the fore part hardly larger than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face; first and second joints pale ferruginous; third joint linear, ferruginous at the base, almost truncated at the tip, full twice the length of the second joint; bristle feathered to the tip with very short hairs, much more than twice the length of the third joint: fore part of the chest adorned with three indistinct hoary stripes: abdomen oval, a little longer and broader than the chest, adorned with a black stripe which begins near the base and widens towards the tip, where it occupies the whole breadth: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pale tawny: wings slightly tawny; wing-ribs tawny; veins black, tawny towards the base

ross-vein straight; scales yellow, of moderate size, the lower ıding a little beyond the upper; poisers tawny. Length of ody 2¾ lines; of the wings 5½ lines.

ova Scotia. From Lieut. Redman's collection.

IOMYIA Alone, n. s., fem. *Nigro-cinerea, capite antico subfulvo, palpis antennisque nigris, pedibus fulvis, alis subcinereis basi nervorumque marginibus subfulvis.*

Body black, clothed with black hairs and bristles, adorned a gray covering: head silky and somewhat tawny in front; of the face without bristles; epistoma slightly prominent: red; fore part nearly flat, its facets larger than those elsewhere: r black, clothed with tawny hairs; palpi long, black, slender, with black bristles: feelers black, nearly as long as the face; joint flat above till just before the tip, where it slightly rises, tinctly convex beneath, truncated at the tip, a little more than the length of the second joint; bristle feathered with short to the tip, about twice the length of the third joint: chest not d: abdomen obconical, longer and a little broader than the : legs stout, tawny, thickly clothed with hairs and bristles; long, black; foot-cushions very pale yellow: wings pale with a slight tawny tinge on the fore border and along orders of the veins; lower cross-vein almost straight; scales r large, dingy white with yellow borders, the lower extending eyond the upper; poisers yellow. Length of the body 3½ lines; e wings 7 lines.

. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

IOMYIA soccata, *Barnston's MSS.*, fem. *Nigro-cinerea, thorace vittis tribus aut quinque nigro-æneis, palpis antennisque nigris, pedibus fulvis, tarsis nigris, alis subcinereis, basi nervorumque marginibus subfulvis.*

Body black, clothed with black hairs and bristles: head gray ont; sides of the face without bristles; epistoma slightly pro-nt: eyes dark red; facets larger than usual, especially on the part, which is slightly convex: sucker black, clothed at the tip tawny hairs; palpi black, beset with black bristles: feelers k, nearly as long as the face; third joint linear, rather more twice the length of the second joint, slightly rounded at the especially towards the underside; bristle feathered to the tip long hairs, more than twice the length of the third joint: chest dark gray covering, adorned with three, or perhaps, five black

stripes, which have a very slight brassy tinge: abdomen oval, a little broader but hardly longer than the chest, adorned with a gray covering, which has a tawny tinge, and is interrupted by a black stripe on the back: legs tawny, clothed with black hairs and bristles; shanks rather darker than the thighs; feet black: wings pale gray, slightly tawny at the base, and along the borders of the veins, especially of the cross-veins; lower cross-vein almost straight, though very slightly waving; scales pale tawny, with darker borders, of moderate size, the lower extending beyond the upper; poisers pale yellow, with tawny knobs. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

B. *Feeler-bristle downy or bare.*

a. *Legs black.*

* *Eyes hairy.*

ANTHOMYIA occulta? *Wied. Meig. Dipt.* v. 133, 90. Anthomyia glabricula? Var. *c. Zett. Ins. Lapp.* 687, 18. Hydrotæa occulata? *Macq. Hist. Nat. Dipt.* ii. 305, 9. Lasiops hirta *Meig. Dipt.* vii. 324, 2.

a. Italy. From Dr. Leach's collection.

** *Eyes not hairy.*

ANTHOMYIA irritans, *Meig. Dipt.* v. 134, 91. *Zett. Ins. Lapp.* 68[illegible] 30. Musca irritans, *Fall. Musc.* 62, 58. Hydrotæa irritans *Macq. Hist. Nat. Dipt.* ii. 306, 13. *Meig. Dipt.* vii. 324, [illegible] Aricia irritans, *Zett. Dipt. Scand.* iv. 1431, 40.

a. ——— ?

ANTHOMYIA palæstrica, *Meig. Dipt.* v. 135, 93. Hydrotæa palæstrica, *Meig. Dipt.* vii. 1324, 6. Aricia palæstrica, *Zett. Ins. Lapp.* iv, 1428, 37.

a. ——— ?

ANTHOMYIA meteorica, *Meig. Dipt.* v. 137, 96. *Zett. Ins. Lapp.* 668, 32. Musca meteorica, *Linn. Faun. Suec.* 1849. *Fab. Syst. Antl.* 306, 110. *Panz. Faun. Germ.* i. 19. M. variorum, *De Geer, Ins.* vi. 85, 14, *pl.* 5, *f.* 1. *Fall. Musc.* 64, [illegible] Hydrotæa meteorica, *Macq. Hist. Nat. Dipt.* ii. 306, [illegible] *Meig. Dipt.* vii. 324, 9. Aricia meteorica, *Zett. Dipt. Scand.* iv. 1427, 39.

a. England.

THOMYIA incompta, *Meig. Dipt.* v. 138, 97.
England.

THOMYIA armipes, *Meig. Dipt.* v. 138, 98. Musca armipes, *Fall. Musc.* 75, 86. Hydrotæa armipes, *Macq. Hist. Nat. Dipt.* ii. 305, 8. *Meig. Dipt.* vii. 324, 11. Aricia armipes, *Zett. Dipt. Scand.* iv. 1431, 44.
England.

THOMYIA blanda, *Meig. Dipt.* v. 142, 103.
England.

THOMYIA floricola? *Meig. Dipt.* v. 145, 106.
England.

THOMYIA argyrocephala, *Meig. Dipt* v. 145, 107.
England.

THOMYIA angustifrons, *Meig. Dipt.* v. 146, 109.
England.

THOMYIA sponsa, *Wied. Meig. Dipt.* v. 147, 110.
England.

THOMYIA compuncta, *Wied. Zool. Mag.* i. 80, 30. *Meig. Dipt.* v. 147, 111. Limnophora compuncta, *Macq. Hist. Nat. Dipt.* ii. 311, 5. Aricia compuncta, *Zett. Dipt. Scand.* iv. 1457, 68.
England.

THOMYIA pacifica, *Meig. Dipt.* v. 149, 113.
England.

THOMYIA omissa, *Meig. Dipt.* v. 149, 114.
France.

THOMYIA cinerascens, *Meig. Dipt.* v. 150, 116.
England.

THOMYIA diadema, *Meig. Dipt.* v. 151, 117.
England.

THOMYIA tristis, *Meig. Dipt.* v. 153, 122.
England.

THOMYIA atramentaria, *Meig. Dipt.* v. 153, 123.
England.

ANTHOMYIA carbonaria? *Meig. Dipt.* v. 154, 124.
a. England.

ANTHOMYIA fumigata? *Wied. Meig. Dipt.* v. 154, 125.
a. England.

ANTHOMYIA pratensis, *Meig. Dipt.* v. 158, 132.
a. England.

ANTHOMYIA albicincta, *Meig. Dipt.* v. 161, 138, vii. 327, 28. *Ma*
Hist. Nat. Dipt. ii. 338, 20. *Zett. Ins. Lapp.* 685, 10
Musca albicincta, *Fall. Musc.* 73, 81. Aricia albicincta, *Ze*
Dipt. Scand. iv. 1601, 216.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA triquetra, *Wied. Zool. Mag.* i. 85. *Meig. Dipt.* v. 1
139, vii. 327, 26. *Zett. Ins. Lapp.* 685, 105. Musca amb
lans, *Schrank, Faun. Boic.* iii. 2469. M. triquetra, *Fall. Mu*
73, 80. M. ornata, *Harr. Ex.* 146, *pl.* 43, *f.* 64. M. lepi
var. *β.*, *Fall. Musc.* 77. Aricia triquetra, *Zett. Dipt. Sca*
iv. 1590, 205.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA gnava? *Meig. Dipt.* v. 164, 142.
a. England.

ANTHOMYIA floralis? *Meig. Dipt.* v. 165, 143, vii. 327, 33. *Ma*
Hist. Nat. Dipt. ii. 337, 15. Musca floralis? *Fall. Musc.*
76. Anthomyza floralis? *Zett. Ins. Lapp.* 684, 102. Ari
floralis? *Zett. Dipt. Scand.* iv. 1536, 147.
a. England.

ANTHOMYIA promissa? *Meig. Dipt.* v. 166, 144.
a. England.

ANTHOMYIA antiqua? *Meig. Dipt.* v. 166, 145, vii. 327, 34. Ari
antiqua? *Zett. Dipt. Scand.* iv. 1566, 180.
a. England.

ANTHOMYIA varicolor? *Meig. Dipt.* v. 167, 146.
a. England.

ANTHOMYIA æstiva? *Meig. Dipt.* v. 169, 149.
a. England.

ANTHOMYIA platura? *Meig. Dipt.* v. 171, 152.
a. England.

HOMYIA discreta? *Meig. Dipt.* v. 172, 155.
England.

HOMYIA intersecta? *Meig. Dipt.* v. 175, 159, vii. 327, 48.
Aricia intersecta? *Zett. Dipt. Scand.* iv. 1548, 161.
England.

HOMYIA Tyana, n. s., fem. *Fusco-nigra, capite anticè albido, thorace nigro trivittato, abdominis vitta et segmentorum suturis nigris, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, adorned with a pale brown covering, clothed with k hairs and bristles: head ferruginous at the base of the feelers, ish in front; sides of the face without bristles; epistoma very ıtly prominent: eyes red, convex; all the facets very small: er black, clothed with tawny hairs; palpi black, beset with k bristles: feelers black, nearly as long as the face; third joint ır, deep, almost truncated at the tip, more than twice the length he second; bristle downy, more than twice the length of the l joint: chest adorned with three brown stripes: abdomen spin-shaped, a little longer than the chest, adorned with a black e; sutures of the segments black: legs black, clothed with k hairs and bristles; foot-cushions pitchy: wings slightly gray; g-ribs tawny; veins black, tawny towards the base; lower cross- straight, with the exception of a very slight inward curve in middle part of its course; scales small, dingy white, with pale ıy borders; the lower not extending beyond the upper. Length e body 2 lines; of the wings 4 lines.

'ayal. From. Mr. Children's collection.

HOMYIA Narona, n. s., fem. *Fusco-nigra, thorace nigro-æneo vittis quatuor albis, abdomine fusco vitta albida lateribus albido-fulvis, apice ferrugineo, palpis antennis pedibusque nigris, alis subfuscis.*

Body black, adorned with a brown covering, clothed with black s and bristles: head adorned with white lustre; sides of the without bristles; epistoma very slightly prominent: eyes red; part rather flat, its facets a little larger than those elsewhere: ker long, black, slender, clothed at the tip with tawny hairs; ıi long, black, slender, widened at the tips, clothed with black s: feelers black, a little shorter than the face; third joint linear, htly rounded at the tip, much longer than the second joint, but than twice its length; bristle bare, much more than twice the gth of the third joint, its first joint very short, the second rather g: chest with a slight brassy tinge, adorned with four broad

white stripes: abdomen whitish tawny on each side, adorned with a very broad rich brown stripe, which occupies the whole of the base, widens on the hind border of each segment, and contains a narrow whitish stripe; tip somewhat ferruginous: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly brown; wing-ribs ferruginous; veins black, ferruginous towards the base; lower cross-vein straight, with the exception of a very slight inward curve in the middle part of its course; scales of moderate size, dingy white, with pale tawny borders, the lower not extending beyond the upper; poisers tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. Florida. Presented by E. Doubleday, Esq.

ANTHOMYIA Donuca, n. s., mas. *Nigra, capite albo micante, thorace fulvo-cinereo subvittato, abdomine flavo-cano tessellato, palpis antennis pedibusque nigris, alis subcinereis basi subfulvis.*

Body black, clothed with black hairs and bristles: head adorned with white lustre; sides of the face with one or two bristles at the base; epistoma not prominent: eyes red; fore part rather flat, its facets a little larger than those elsewhere: sucker pitchy, clothed towards the tip with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, slightly rounded at the tip, rather more than twice the length of the second joint; bristle nearly thrice the length of the third joint, its second joint of moderate length, third joint downy, stout at the base, slender from thence to the tip: chest adorned with a gray covering, which has a very slight tawny tinge and is indistinctly striped: abdomen obconical, tessellated with yellowish hoary reflections, a little longer and narrower than the chest: legs black, clothed with black hairs and bristles; foot-cushions dull tawny: wings pale gray, with a slight tawny tinge at the base; wing-ribs tawny; veins pitchy, tawny towards the base; lower cross-vein straight; scales rather small, white, with pale yellow borders, the lower not extending beyond the upper: poisers yellow, tawny at the base. Length of the body 3½ lines; of the wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Brixia, n. s. fem. *Nigra, capite argenteo micante, thoracis vittis duabus lateribus pectoreque canis, abdominis segmentorum lateribus cano maculatis, palpis antennisque nigris, pedibus piceis, alis subfuscis.*

Body black, clothed with black hairs and bristles: front of the head adorned with bright silvery lustre, which forms a stripe on

side of the crown, ferruginous on each side of the peristoma; of the face fringed with bristles at the base; epistoma not pro- nt: eyes red, slightly convex; all the facets small: sucker , clothed with tawny hairs; palpi black, beset with black es: feelers black, a little shorter than the face; third joint , rounded at the tip, more than twice the length of the second; more than twice the length of the third joint, its first joint short, second moderately long, third downy: chest adorned wo hoary stripes; breast and sides of the chest hoary: abdo- bconical, longer and narrower than the chest; a large square spot on each side of every segment: legs dark pitchy, tinged gray, clothed with black hairs and bristles; knees ferruginous; lack; foot-cushions tawny: wings tinged with brown; wing- awny; veins black, tawny towards the base; lower cross-vein d inward for more than half the length from the base, straight thence to the tip; scales white, of moderate size, the lower not ding beyond the upper; poisers tawny. Length of the body es; of the wings 6 lines.

va Scotia. From Lieut. Redman's collection.

OMYIA Sergia, n. s., mas. *Nigra, thorace fusco, pectore cano, bdominis segmentorum marginibus flavo-cano maculatis, palpis ntennisque nigris, pedibus nigro-cinereis, alis subfuscis.*

Body black, clothed with black hairs and black bristles: front e head slightly tinged with gray; sides of the face without es; epistoma not prominent; peristoma dark tawny: eyes con- very bright red; all the facets very small: sucker black, d with tawny hairs: palpi black, beset with black bristles, club- d: feelers black, a little shorter than the face; third joint full the length of the second, very slightly increasing in depth the base to the tip, where it is obliquely truncated; bristle for one-third of the length, very slender from thence to p, more than twice the length of the third joint: chest brown: t hoary: abdomen linear, narrower and a little longer than the , adorned with a very large yellowish hoary spot on each side ery segment; tip yellowish hoary: legs black, tinged with clothed with black hairs and bristles; foot-cushions tawny: s slightly brown; wing-ribs tawny; veins black, tawny towards ase; lower cross-vein slightly curved inward; scales small, sh; poisers pale tawny. Length of the body 2¼ lines; of the s 5 lines.

aly. From Dr. Leach's collection.

ANTHOMYIA Alaba, n. s., mas. *Nigra, thorace fusco, pectore cano, abdominis segmentorum lateribus flavo-cano maculatis, pedibus nigris, tibiis piceis, alis fuscis.*

Body clothed with black hairs and long black bristles: beak wanting: chest brown: breast hoary: abdomen black, narrower and much longer than the chest, adorned with a large triangular spot of yellowish hoary lustre on each side of every segment: legs black, clothed with black hairs and bristles; shanks pitchy; foot-cushions pale tawny: wings brown; wing-ribs pitchy; veins black, pitchy towards the base; lower cross-vein straight; scales small; poisers pale tawny. Length of the body $1\frac{3}{4}$ line; of the wings 4 lines.

a. North America. Presented by the Entomological Club.

ANTHOMYIA Idyla, *Barnston's MSS.*, fem. *Nigra, thorace subfusco, abdomine subcinereo, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles; sides of the face without bristles; epistoma not prominent: eyes red; fore part nearly flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs: palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, almost truncated at the tip, about thrice the length of the second joint; bristle much more than twice the length of the third joint, rather stout towards the base: chest tinged with brown: abdomen elliptical, very slightly tinged with gray, a little longer than the chest: breast smooth, very shining: legs black, rather stout, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; lower cross-vein with two slight curves, the lower outward, the upper inward: scales small, gray with dark tawny borders, the lower not extending beyond the upper; poisers pitchy. Length of the body 2 lines; of the wings $4\frac{1}{2}$ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Uxama, n. s., fem. *Nigro-cinerea, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, tinged with gray, clothed with black hairs and bristles: sides of the face without bristles; epistoma hardly prominent, its edge ferruginous: eyes brassy; fore part red, rather flat, its facets larger than those elsewhere: sucker black, clothed with

y hairs; palpi black, beset with black bristles: feelers black, ly as long as the face; third joint very deep, rounded at the tip, t thrice the length of the second; bristle downy, rather stout at ase, much more than twice the length of the third joint, its se- joint long: abdomen elliptical, a little longer than the chest: black, clothed with black hairs and bristles: foot-cushions y: wings slightly gray; wing-ribs tawny; veins black, tawny rds the base; lower cross-vein forming a very slight inward an- n the middle part of its course; scales small, whitish with pale w borders; poisers pale tawny. Length of the body 2 lines; e wings 4 lines.

t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HOMYIA Tinia, n. s., fem. *Cana, thorace fusco trivittato, abdomine maculis nigris trigonis vittato, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body adorned with a hoary covering, clothed with black hairs bristles: a forked black spot succeeded by a ferruginous spot in of the crown; sides of the face without bristles; epistoma tly prominent, its fore side ferruginous: eyes red; fore part tly convex, its facets a little larger than those elsewhere: sucker k, clothed towards the tip with tawny hairs; palpi black, beset black bristles: feelers black, a little shorter than the face; third linear, slightly rounded at the tip, about twice the length of second; bristle downy, rather stout towards the base, much more twice the length of the third joint: chest adorned with three brown stripes: abdomen oval, a little longer than the chest, ned along the back with a black stripe, which forms a triangle ch segment, and is widened near the tip; fore borders of the ents black: legs black, clothed with black hairs and bristles; s ferruginous; thighs and shanks tinged with gray; foot- ions dark tawny: wings slightly gray; wing-ribs tawny; veins k, tawny towards the base; lower cross-vein very indistinctly ed inward for half the length from the base, straight from thence e tip; scales small, whitish with tawny borders, the lower not nding beyond the upper; poisers yellow, tawny at the base. gth of the body 2½ lines; of the wings 5 lines.

t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Badia, n. s. *Cana, thorace fusco quinquevittato, abd mine tessellato, palpis antennisque nigris, pedibus nigro-cinere alis subcinereis.*

Body black, clothed with black hairs and bristles, adorned wi a hoary covering: head pale tawny in front; sides of the face wit out bristles; epistoma not prominent: eyes red; fore part slight convex, its facets larger than those elsewhere: sucker black, cloth at the tip with tawny hairs: palpi black, beset with black bristle feelers black, a little shorter than the face; third joint about tw the length of the second, very slightly increasing in depth to the t which is rounded; bristle stout towards the base, very nearly thr the length of the third joint: chest adorned with five indisti brown stripes: abdomen spindle-shaped, a little longer and narrow than the chest, adorned with hoary reflections, very bristly towa the tip: legs black, clothed with black hairs and bristles; thig and shanks tinged with gray; foot-cushions tawny: wings sligh gray; wing-ribs tawny; veins black, tawny towards the ba lower cross-vein very slightly curved inward for half the length fr the base, straight from thence to the tip; scales rather small, wh with pale yellow borders, the upper extending a little beyo the lower; poisers tawny. Length of the body 2½ lines; of wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented G. Barnston, Esq.

ANTHOMYIA Perrima, n. s., mas. *Cana, capite nigro albo mica thorace fusco trivittato, abdominis maculis trigonis et segme rum marginibus anticis nigris, palpis antennisque nigris, pedi nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles: front of head adorned with a white lustre; sides of the face without brist epistoma slightly prominent: eyes red; fore part flat, its fac much larger than those elsewhere: sucker black, clothed at the with tawny hairs; palpi black, beset with black bristles: fee black, nearly as long as the face; third joint linear, slightly roun at the tip, more than twice the length of the second; bristle dow much more than twice the length of the third joint, thick tow the base: chest and breast hoary: chest adorned with three p brown stripes: abdomen spindle-shaped, narrower and a little lon than the chest, adorned with an irregular black stripe, which for a triangle on each segment, and disappears towards the tip witho being widened; fore borders of the segments black: legs bla clothed with black hairs and bristles; thighs and shanks sligh

ed with gray; foot-cushions dark tawny: wings slightly gray; g-ribs tawny; veins black, tawny towards the base; lower cross- with two indistinct curves, the lower inward, the other outward; es small, whitish with yellow borders, the lower not extending ond the upper; poisers tawny. Length of the body 2 lines; of wings 4 lines.

it. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

THOMYIA Viana, n. s., fem. *Nigra, capite cano, thorace fusco vittis tribus obscurioribus, pectore fusco-cano, abdomine pallidè fusco, vitta et segmentorum marginibus anticis nigris, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head med with a hoary covering, yellowish brown on the crown, with exception of a large black spot, which sends forth four rays be- d, and is succeeded in front by a ferruginous spot at the base of feelers; sides of the face without bristles; epistoma not promi- t: eyes dark red, convex; all the facets very small; sucker k, clothed with tawny hairs at the tip; palpi black, beset with k bristles: feelers black, nearly as long as the face; third joint l twice the length of the second, almost truncated at the tip; tle downy, rather stout towards the base, much more than twice length of the third joint: chest light brown, adorned with three istinct darker stripes; breast brownish hoary: abdomen pale wn, with a hoary tinge, slightly tessellated, elliptical, not longer n the chest, adorned with a black stripe; fore borders of the seg- nts black: legs black, clothed with black hairs and bristles; ghs and shanks tinged with gray; foot-cushions pitchy: wings ghtly gray; wing-ribs tawny; veins black, tawny towards the e; lower cross-vein with a very slight inward curve in the middle t of its course; scales whitish, with yellow borders, small, the ver not extending beyond the upper; poisers tawny. Length of body 2½ lines; of the wings 5 lines.

Nova Scotia. From Lieut. Redman's collection.

THOMYIA Acra, n. s., fem. *Nigro-cinerea, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles, slightly aged with gray: sides of the face without bristles; epistoma hardly ominent, ferruginous on the fore side: eyes brassy; fore part red, ther flat, composed of larger facets than those elsewhere: sucker ack, clothed at the tip with tawny hairs; palpi black, beset with

black bristles: feelers black, shorter than the face; third joi above, convex beneath, obliquely truncated at the tip, full twi length of the second joint; bristle downy, rather thick towar base, much more than twice the length of the third joint: ab elliptical, a little longer than the chest: legs black, clothe black hairs and bristles; thighs and shanks slightly tinge gray; foot-cushions tawny: wings pale gray; wing-ribs t veins black, tawny at the base; lower cross-vein straight base, slightly curved inward from thence to the tip; scales small, grayish with pale yellow borders, the lower hardly ext beyond the upper; poisers yellow. Length of the body 2 lin the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presen G. Barnston, Esq.

ANTHOMYIA Isura, n. s., fem. *Cana, thorace vittis tribus fu domine basi fulvo, palpis antennis tarsisque nigris, fe nigro-cinereis, tibiis piceis, alis subcinereis.*

Body black, clothed with black hairs and bristles, adorn a hoary covering; a slightly fawn-coloured stripe extends fr feelers, and afterwards dividing, encloses a triangular spac the eyelets; sides of the face beset with two or three bristles base: epistoma not prominent: eyes red; fore part rather facets larger than those elsewhere: sucker black, clothed with hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint flat above, slightly con neath, truncated at the tip, nearly thrice the length of the bristle downy, stout towards the base, much more than tw length of the third joint, its second joint rather long: chest with three indistinct pale brown stripes: abdomen obconical, at the base, longer than the chest: legs black, clothed with hairs and bristles; thighs tinged with gray; knees ferrug shanks pitchy; wings very slightly tinged with gray; wing-r veins tawny, the latter pitchy towards the tips; lower cr straight from the base to half the length, whence it is very curved inward to the tip; scales rather small, white with p low borders, the lower hardly extending beyond the uppe sers yellow. Length of the body 2¼ lines; of the wings 5 l

a. Nova Scotia. From Lieut. Redman's collection.

MYIA Canache, n. s., fem. *Nigra, abdomine croceo, segmento-m marginibus posticis nigris, palpis antennis pedibusque nigris, is limpidis.*

ody black, clothed with black hairs and bristles: head with gray; sides of the face without bristles; epistoma not ent: eyes black; fore part rather flat, its facets larger than elsewhere: sucker black, clothed with tawny hairs; palpi beset with black bristles: feelers black, nearly as long as the hird joint linear, rather deep, slightly rounded at the tip, thrice the length of the second joint; bristle full twice the of the third joint: abdomen oval, orange, not longer than st; hind borders of the segments black: legs black, clothed ack hairs and bristles; knees ferruginous; shanks pitchy to-the base: wings colourless; wing-ribs tawny; veins black, towards the base; lower cross-vein straight, slightly curved at the tip; scales white, with yellow borders, the lower ex-beyond the upper. Length of the body 2½ lines; of the 5 lines.

pt. Presented by Sir Gardner Wilkinson.

MYIA Corelia, n. s., mas. *Fusca, thorace vittis tribus obscu-ribus, abdomine nigro vittato, palpis antennis pedibusque ni-is, alis subfuscis.*

ody black, with a brown covering, clothed with black hairs stles: head adorned with yellowish white lustre; sides of the thout bristles; epistoma very slightly prominent: eyes red; rt nearly flat, its facets a little larger than those elsewhere: black, clothed with tawny hairs; palpi black, beset with black: feelers black, much shorter than the face, third joint nearly rather deep, rounded at the tip, much longer than the but less than twice its length; bristle black, more than he length of the third joint, its first joint very short, second hird stout and downy at the base, slender from thence to the est pale brown, with three dark brown stripes: hind scutch-ry: abdomen obconical, a little longer and narrower than st, adorned with black stripes, which disappear towards the s black, clothed with black hairs and bristles; foot-cushions wings slightly brown; wing-ribs pitchy; veins black, pitchy the base; tip cross-vein with two curves, the lower inward, more distinct than the other which is outward; scales small, wny with darker borders, the lower not appearing beyond the

upper; poisers tawny. Length of the body 1¾ lines; of the wing 4 lines.

a. Monte Video. Presented by C. Darwin, Esq.

ANTHOMYIA Cutilia, n. s., fem. *Cyanea, abdomine purpurascent palpis antennis pedibusque nigris, alis subcinereis.*

Body dark blue, clothed with black hairs and bristles: front o the head adorned with white lustre; sides of the face without bri tles; epistoma not prominent: eyes pitchy; fore part rather flat all the facets very small: sucker black, clothed with tawny hair palpi black, beset with black bristles: feelers black, shorter th the face; third joint linear, rather deep, rounded at the tip, mu longer than the second, but less than twice its length; bristle ba full thrice the length of the third joint: abdomen bright purpli blue, oval, a little broader but hardly longer than the chest: le black, clothed with black hairs and bristles; foot-cushions pitch wings slightly gray; wing-ribs and veins black; lower cross-ve straight at each end, curved inward in the middle part of its cour scales small, dark gray, with pitchy borders, the lower not exte ing beyond the upper; poisers pitchy. Length of the body 2¼ lin of the wings 5 lines.

a. Monte Video. Presented by C. Darwin, Esq.

ANTHOMYIA determinata, n. s. *Nigro-cinerea, capite pectore ab mineque canis, abdominis apice piceo, palpis antennis pedibu nigris, tibiis piceis, alis fusco-subcinereis.*

Body black, clothed with black hairs and bristles: he adorned with hoary lustre, with the exception of a nearly triangu black spot on each side of the crown near the base of the feele sides of the face without bristles; epistoma very prominent: ey brassy red; fore part flat, its facets small, but a little larger th those elsewhere: sucker black, clothed with black hairs; pa black, beset with black bristles: feelers black, nearly as long as face, resembling those of the first division of *Tachina;* third jo nearly round, hardly longer than deep, a little longer than t second; bristle more than twice the length of the third joint, first joint short, second rather long, third very stout for one-third the length from the base, slender from thence to the tip: ch tinged with gray: breast hoary: abdomen oval, a little longer th the chest, adorned with a hoary covering, somewhat pitchy towa the tip: legs black, clothed with black hairs and bristles; shan pitchy; foot-cushions dark tawny: wings pale gray, with a sli

wn tinge; wing-ribs dark tawny; veins black, dark tawny to-rds the base; lower cross-vein straight, with the exception of light inward curve in the middle part of its course; scales white, ge, the upper extending a little beyond the lower; poisers tawny. ngth of the body 2 lines; of the wings 5 lines.

Nova Scotia. From Lieut. Redman's collection.

THOMYIA Felsina, n. s., mas. *Cinereo-fulva, palpis pedibusque nigris, antennis piceis, alis cinereis.*

Body black, tinged with grayish tawny, clothed with black rs and bristles: sides of the face without bristles; epistoma not minent: eyes pitchy; fore part rather flat, its facets larger than se elsewhere: sucker black, clothed with tawny hairs; palpi ck, beset with black bristles: feelers pitchy, shorter than the e; third joint linear, rather deep, slightly rounded at the tip, re than twice the length of the second joint; bristle black, bare, re than twice the length of the third joint: abdomen elliptical, ttle longer than the chest: legs black, clothed with black hairs l bristles; foot-cushions pitchy: wings gray; wing-ribs pitchy; ns black, pitchy at the base; tip cross-vein with two curves, the er inward, deeper than the other which is outward; cross-veins nded with brown; scales dull pale tawny, with brown borders, lower extending far beyond the upper; poisers dark tawny. ngth of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

Monte Video. Presented by C. Darwin, Esq.

THOMYIA personata, n. s., mas. *Nigra, capite anticè albo, abdomine purpureo-cyaneo, albo micante, palpis antennis pedibusque nigris, alis limpidis.*

Body black, thickly clothed with black hairs and bristles: front the head adorned with white lustre; sides of the face without stles; epistoma very slightly prominent, adorned with a ferrugi-us spot on each side: eyes dark red; fore part rather flat, its fa-s larger than those elsewhere: sucker black, clothed with dark wny hairs; palpi black, beset with black bristles: feelers black, ittle shorter than the face; third joint linear, almost truncated at tip, more than twice the length of the second; bristle slender, ra-r more than twice the length of the third joint, its second joint moderate length, third stout at the base: abdomen dark blue, ged with purple, adorned with white reflections towards the tip, t longer than the chest: legs black, clothed with black hairs and stles; hind shanks beset with a fringe of long black bristles; ot-cushions dark tawny: wings colourless; wing-ribs pitchy; veins

black; second and third longitudinal veins very slightly inclined towards each other near the tips; lower cross-vein with two very indistinct curves, the lower inward, the other outward; scales with pitchy borders, the upper extending beyond the lower. Length of the body 2 lines; of the wings 5 lines. Allied to *Musca*.

a. New Holland. Presented by the Entomological Club.

ANTHOMYIA Setia, n. s., fem. *Nigra, palpis antennisque ferruginei, pedibus nigris, alis limpidis, basi nervorumque marginibus subfulvis.*

Body black, shining, clothed with black hairs and bristles: sides of the face without bristles; epistoma not prominent: eyes brassy; fore part red, rather flat, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers pale ferruginous, a little shorter than the face; third joint dark, linear, slightly rounded at the tip, nearly thrice the length of the second; bristle black, slender, bare, rather stout at the base, more than twice the length of the third joint: legs black, clothed with black hairs and bristles; knees dark ferruginous; foot-cushions pitchy: wings colourless, slightly tawny at the base and along the borders of the veins; wing-ribs tawny; veins black, tawny at the base; lower cross-vein with two very slight curves, the upper inward, the lower outward; tips of the second and third longitudinal veins slightly inclined towards each other; scales rather small, white with yellow borders, the lower not extending beyond the upper. Length of the body $2\frac{1}{4}$ lines; of the wings $4\frac{1}{2}$ lines.

a. Galapagos. Presented by C. Darwin, Esq.

ANTHOMYIA Opalia, n. s., mas. et fem. *Nigro-cyanea, capite albo micante, antennis piceis seta basi pubescente, palpis pedibusque nigris, alis limpidis.*

Body clothed with black hairs and bristles: head covered with white lustre; sides of the peristoma fringed with bristles; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes red: fore part flat, its facets much larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers pitchy; third joint linear, rounded at the tip, thrice the length of the second; bristle down at the base, much more than twice the length of the third joint: chest and abdomen bluish black, shining; abdomen elliptical, not longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs tawny

black, tawny towards the base; tip cross-vein slightly curved d along the whole length; scales white, with yellow borders, wer extending far beyond the upper; poisers tawny. Length body $2\frac{3}{4}$ lines; of the wings $5\frac{1}{2}$ lines.

va Scotia. From Lieut. Redman's collection.

OMYIA ruficeps? *Meig. Dipt.* v. 177, 162.
——?

OMYIA decolor, *Meig. Dipt.* v. 198, 201. Musca decolor? *Fall. Musc.* 68, 70. Anthomyza decolor? *Zett. Ins. Lapp.* 79, 81. Aricia decolor, *Zett.Ins. Lapp.* iv. 1525, 136.
gland.

OMYIA cinerea? *Meig. Dipt.* v. 199, 203. Musca flavicans? *Panz. Faun. Germ.* 54, 18. M. cinerea? *Fall. Musc.* 70, 75. I. floralis, *Fall. Musc.* 71, 76. Anthomyza cinerea? *Zett. ns. Lapp.* 671, 41.
gland.

OMYIA parvula? *Meig. Dipt.* v. 200, 205. Musca parvula? *Fall. Musc.* 75, 85. Aricia parvula, *Zett. Dipt. Scand.* iv. 604, 219.
gland.

OMYIA serena? *Meig. Dipt.* v. 200, 206. Musca serena? *Fall. Musc.* 76, 88. Anthomyza serena, *Zett. Ins. Lapp.* 685, 08. *Dipt. Scand.* iv. 1594, 208.
gland.

OMYIA sulciventris? Aricia sulciventris? *Zett. Dipt. Scand.* v. 1451, 62.
gland.

OMYIA ——?
paranda. Presented by the Entomological Club.

OMYIA ——?
ckholm. Presented by the Entomological Club.

OMYIA ——?
sal. Presented by the Entomological Club.

OMYIA ——?
——? From Mr. Children's collection.

ANTHOMYIA ——— ?
a. ——— ? From Mr. Children's collection.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. France.

b. *Legs yellow. Eyes not hairy.*

ANTHOMYIA setaria? *Wied. Meig. Dipt.* v. 178, 165.
a. England.

ANTHOMYIA Megerlei? *Meig. Dipt.* v. 179, 166.
a. England.

ANTHOMYIA Winthemi? *Meig. Dipt.* v. 186, 179, vii. 328, 88.
thomyza Winthemi? *Zett. Dipt. Scand.* v. 1792, 177.
a. England.

ANTHOMYIA solennis? *Meig. Dipt.* v. 187, 180.
a. England.

ANTHOMYIA varia, *Meig. Dipt.* v. 187, 182. Cænosia varia, *Hist. Nat. Dipt.* ii. 349, 26.
a. England.

ANTHOMYIA temperata? *Meig. Dipt.* v. 188, 183.
a. England.

omyia diaphana, *Wied. Zool. Mag.* i. 81, 31. *Meig. Dipt.* v. 89, 185, vii. 328, 95. Musca diaphana, *Fall. Musc.* 92, 130. egomyia diaphana, *Macq. Hist. Nat. Dipt.* ii. 353, 15. Anomyza diaphana, *Zett. Dipt. Scand.* iv. 1786, 170.
gland.

omyia ornata? *Meig. Dipt.* v. 191, 188.
gland.

omyia pruinosa? *Meig. Dipt.* v. 191, 189.
gland.

omyia calceata? *Megerle, Meig. Dipt.* v. 192, 190.
gland.

omyia socia? *Meig. Dipt.* v. 201, 208. Musca socia? *Fall. Musc.* 82, 104. Anthomyza socia? *Zett. Dipt. Scand.* iv. 1680, 8.
gland.

omyia brunneilinea? Aricia brunneilinea, *Zett. Dipt. Scand.* . 1448, 58.
gland.

omyia frontata? Aricia frontata? *Zett. Dipt. Scand.* iv. 453, 64. Anthomyza frontata? *Zett. Ins. Lapp.* 669, 35.
gland.

omyia didyma? Aricia didyma? *Zett. Dipt. Scand.* iv. 1461, 2. Anthomyza didyma? *Zett. Ins. Lapp.* 683, 100.
gland.

omyia Daicles, n. s. *Nigro-cinerea, thorace vittis tribus obscuioribus, abdomine cervino, pedibus fulvis, tarsis nigris, alis subinereis basi subfulvis.*

Body black, clothed with black hairs and bristles: front of the adorned with white lustre; crown yellowish brown, adorned two black stripes, which unite towards the base of the feelers; of the face without bristles; epistoma hardly prominent: eyes facets of the fore part a little larger than those elsewhere: r pitchy, clothed with dark tawny hairs; palpi black, beset black bristles: feelers black, as long as the face; third joint tly tinged with gray, more than twice the length of the second, slightly concave above and equally convex beneath, rounded e tip; bristle much more than twice the length of the third its second joint rather short, third stout at the base, downy to

the tip: chest gray, with three indistinct darker stripes: br
paler gray: abdomen elliptical, fawn-coloured, a little longer
broader than the chest: legs tawny, clothed with black hairs
bristles; feet black; foot-cushions pale tawny: wings very
gray, tinged with tawny at the base, and more slightly so along
borders of the veins; wing-ribs tawny; veins black, tawny tow
the base; lower cross-vein clouded with brown, having three
indistinct curves, the first and the third outward, the middle on
ward; scales rather large, pale gray with tawny borders, the l
extending much beyond the upper; poisers tawny. Length o
body 3 lines; of the wings 6 lines.

a. Haparanda. Presented by the Entomological Club.
b. Isle of Soröe. Presented by F. Walker, Esq.
c. Hammerfest. Presented by F. Walker, Esq.

ANTHOMYIA Mervinia, n. s., mas. *Nigra, capite cano, thorac ciis duabus flavis, abdomine flavo, segmentorum marginibu ticis fuscis, palpis nigris antennis piceis, pedibus fulvis subfulvis.*

Body black, clothed with black hairs and bristles: adorned with a hoary covering; sides of the face without bri epistoma slightly prominent: eyes red; fore part rather flat, i cets larger than those elsewhere: sucker pitchy, clothed with hairs; palpi black, beset with black bristles: feelers pitchy, a shorter than the face; third joint linear, rounded at the tip, thrice the length of the second; bristle black, bare, more than the length of the third joint: chest adorned with two broad yellow bands: abdomen yellow, oval, a little broader but not than the chest; hind borders of the segments brown: legs clothed with black hairs and bristles: wings rather short, very slight tawny tinge; wing-ribs tawny; veins black, at the base; lower cross-vein straight, very oblique, distant length from the middle cross-vein; scales large, white with borders, the lower extending far beyond the upper. Length body 2½ lines; of the wings 4½ lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

DRYMEIA, *Meigen*.

DRYMEIA obscura, *Meig. Dipt.* v. 234, 1. *Desv. Essai Myod* 1. *Macq. Hist. Nat. Dipt.* ii. 322, 1. Musca hamata, *Musc.* 57.
a. England.

ERIPHIA, *Meigen.*

A Arelate, n. s., mas. *Nigra, palpis antennis pedibusque gris, alis nigro-cinereis basi subfuscis.*

dy black, clothed with black hairs and bristles, which latter y thick towards the tip of the abdomen: sides of the face bristles; epistoma slightly prominent; eyes red, having a space between them on the crown; fore part nearly flat, its a little larger than those elsewhere: sucker black, clothed wny hairs; palpi black, beset with black bristles: feelers little shorter than the face; third joint tapering from the the tip, where it is truncated, much longer than the second, twice its length; bristle bare, very stout near the base, very from thence to the tip, about thrice the length of the int, its first joint very short, second long: abdomen obconiger than the chest: legs black, clothed with black hairs and ; foot-cushions tawny: wings dark gray, tinged with brown ase and along the borders of the veins; wing-ribs and veins lower cross-vein straight, with the exception of a slight curve in the middle part of its course; scales rather small, hite with yellow borders, the lower not extending beyond er; poisers ferruginous. Length of the body 3 lines; of the lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by Barnston, Esq.

A ciliata, *Barnston's MSS.*, mas. *Nigra, capite antico arteo, palpis antennis pedibusque nigris, alis nigro-cinereis basi cis.*

dy black, very thickly clothed with black hairs and bristles: the head adorned with bright silvery lustre; sides of the thout bristles; epistoma prominent: eyes red; fore part rat, its facets larger than those elsewhere: sucker black, with dark tawny hairs; palpi black, beset with black briselers black, much shorter than the face; third joint not than the second, convex above, straight beneath, obliquely ed at the tip: abdomen slightly tapering from the base tip, very hairy on each side, longer and narrower than st: legs black, clothed with black hairs and bristles; footis pitchy: wings dark gray, brown at the base; wing-ribs ins black; lower cross-vein nearly straight; scales small, with gray, their borders pale yellow, the upper extending a

little beyond the lower; poisers pitchy. Length of the bo
lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presente
G. Barnston, Esq.

ERIPHIA grisea, *Barnston's MSS.*, mas. *Nigro-cinerea, capi
ticè argenteo, thoracis lateribus albo vittatis, abdomine can
tessellato, palpis antennisque nigris, pedibus nigro-cinere
subcinereis.*

Body black, clothed with black hairs and bristles: head
ginous on each side of the peristoma; front adorned with
lustre: sides of the face without bristles; epistoma not promi
eyes dark red; fore part slightly convex, its facets larger than
elsewhere: sucker black, clothed with a few tawny hairs;
black, slender, beset with black bristles: feelers black, a
shorter than the face; third joint full twice the length of the se
slightly decreasing in depth from the base to the tip, wh
rounded; bristle stout at the base, clothed nearly to the ti
very short black hairs, nearly thrice the length of the third
chest and breast tinged with dark gray; each side adorned
white stripe: abdomen obconical, longer and narrower th
chest, slightly tessellated with hoary reflections, which are mo
each side: legs black, clothed with black hairs and bristles, s
tinged with gray; foot-cushions pitchy: wings pale gray;
ribs tawny; veins black, tawny towards the base; lower cro
slightly curved inward along half the length, nearly straigh
thence to the tip; scales whitish, with pale yellow borders, the
extending a little beyond the lower; poisers tawny. Length
body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presen
G. Barnston, Esq.

ERIPHIA? Acela, n. s., fem. *Nigra, capite subtus cano, thorac
quadrivittato, pectore cinereo, abdominis lateribus cano m
tis, palpis antennisque nigris, pedibus nigro-cinereis, a
nereis.*

Body black, rather broad, thickly clothed with black hai
bristles: head hoary beneath; front tinged with gray; sides
face fringed with bristles at the base; epistoma prominent
red; fore part nearly flat, its facets larger than those else
sucker black, long, clothed at the tip with tawny hairs; palp
black, slender, beset with black bristles: feelers black, nearly a
as the face; third joint deep, linear, almost truncated at t

longer than the second joint; bristle downy, much more than the length of the third joint, stout towards the base, its second rather long: chest adorned with four irregularly hoary stripes; gray: abdomen elliptical, rather flat, adorned above with y large hoary spot on each side of every segment, hoary th and at the tip, a little shorter and broader than the chest: lack, clothed with black hairs and bristles; thighs and shanks with gray; foot-cushions tawny: wings gray; wing-ribs ; veins black, pitchy at the base; lower cross-vein straight e-third of the length from the base, very slightly curved in- from thence to the tip; scales pale yellow, very small; poisers . Length of the body 2½ lines; of the wings 5 lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HIA biquadrata, *Barnston's MSS.*, mas. *Nigra, abdomine ano maculis quatuor nigris, palpis antennisque nigris, pedibus igro-cinereis, alis nigro-fuscis.*

Body black, clothed with black hairs and bristles: face gray, les fringed with bristles at the base; epistoma not prominent: ed; fore part slightly convex, its facets a little larger than elsewhere; sucker black, clothed with tawny hairs; palpi beset with black bristles: feelers black, shorter than the face; joint a little more than twice the length of the second, flat , slightly convex beneath, somewhat rounded at the tip; bris- re, slender, rather stout at the base, much more than twice the of the third joint: abdomen obconical, hoary, adorned with very large square black spots on the first and the second seg- , as broad as the chest and a little longer: legs black, slightly with gray; foot-cushions dark tawny: wings dark brown; ribs ferruginous; veins black; lower cross-vein very nearly ht, but having an indistinct tendency to the two usual curves; pale brown, rather large, the lower extending beyond the up- poisers tawny. Length of the body 1¾ line; of the wings 3½

Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HIA lata, *Barnston's MSS.*, fem. *Nigra, palpis antennis pedi- busque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: sides of the without bristles; epistoma not prominent: eyes red; fore part

slightly convex, its facets a little larger than those elsewh
sucker black, clothed towards the tip with dark tawny hairs;
black, beset with black bristles: feelers black, nearly as long a
face; third joint linear, truncated at the tip, much longer tha
second: abdomen elliptical, a little longer than the chest;
black, clothed with black hairs and bristles; foot-cushions pi
wings slightly gray; wing-ribs pitchy; veins black, pitchy
base; lower cross-vein with a slight inward curve near the tip
a more slight outward curve near the base; scales of moderate
gray with dull tawny borders, the lower extending beyond the
poisers black. Length of the body 1½ line; of the win
lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Present
G. Barnston, Esq.

Eriphia Lamnia, n. s., mas. *Nigra, abdomine cinereo vitta rupta nigra, palpis antennis pedibusque nigris, alis cinere*

Body black, thickly clothed with black hairs and bri
sides of the face fringed with bristles at the base; epistoma
nent: eyes red; fore part rather flat, its facets rather large
those elsewhere: sucker black, clothed with tawny hairs;
black, beset with black bristles: feelers black, a little shorte
the face; third joint almost round, hardly longer than deep,
longer than the second; bristle bare, much more than twi
length of the third joint, very stout for one-third of the length
der from thence to the tip: abdomen obconical, gray with an
rupted black stripe, very thickly beset with bristles, narrower b
longer than the chest; sutures of the segments black: legs
clothed with black hairs and bristles; foot-cushions pale t
wings gray; wing-ribs and veins black; lower cross-vein
a very indistinct inward curve; scales small, white with pale
borders, the upper extending a little beyond the lower;
tawny. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Present
G. Barnston, Esq.

Eriphia marginata, *Barnston's MSS.* *Nigro-cinerea, capite gineo fulvoque vario, abdomine cano. segmentorum marg anticis nigris, palpis antennisque nigris, pedibus nigro-ci alis cinereis.*

Body black, clothed with black hairs and bristles:
adorned with a ferruginous spot in front of the crown at the b
the feelers, and with a tawny stripe on each side of the crown

face; sides of the face without bristles; epistoma prominent, inous on the fore side: eyes red, convex; all the facets very : sucker black, clothed with tawny hairs; palpi black, beset black bristles: feelers black, a little shorter than the face; joint flat above, convex beneath, obliquely truncated at the ore than twice the length of the second joint; bristle bare: and breast slightly tinged with gray: abdomen elliptical, e longer than the chest, adorned with a hoary covering, which slight tawny tinge; fore borders of the segments black: legs clothed with black hairs and bristles; thighs and shanks l with gray; foot-cushions dark tawny: wings gray; wing-awny; veins black, tawny at the base; lower cross-vein ly curved inward; scales very small, white with pale yellow rs; poisers pale tawny. Length of the body 2 lines; of the 4 lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

IIA pretiosa, *Barnston's MSS.* *Nigro-ænea, capite antico cinereo, palpis antennis pedibusque nigris, alis nigro-fuscis.*

Body black, clothed with black hairs and bristles: head adorned a dark gray stripe, which widens from the crown to the base of elers; a little gray stripe on each side of the feelers; face and side of the head gray; sides of the face fringed with bristles at ase; epistoma not prominent: eyes dark red; fore part flat, cets larger than those elsewhere: sucker black, clothed with hairs; palpi black, beset with black bristles: feelers black, a shorter than the face; third joint longer than the second, ly increasing in depth from the base to the tip, which is some-truncated; bristle bare, rather more than twice the length of hird joint, stout at the base: chest and abdomen with a very brassy tinge: abdomen obconical, hardly longer than the : legs black, clothed with black hairs and bristles; foot-ons tawny: wings dark brown; wing-ribs and veins black; cross-vein nearly straight, but with a very indistinct tendency o curves, the lower inward, the other outward; scales small, with tawny borders, the upper extending a little beyond the ; poisers tawny. Length of the body 2½ lines; of the wings nes.

. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA flavifrons, *Barnston's MSS.*, fem. *Nigro-cinerea, c ferrugineo, ventre flavo, palpis antennis pedibusque nigris, fulvis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head b ferruginous on each side and in front of the crown, and on the of the face and of the peristoma; sides of the face without bri epistoma not prominent: eyes black, convex; facets of the fore a little larger than those elsewhere: sucker and palpi black, t at the base; sucker clothed with tawny hairs; palpi beset black bristles: feelers black, nearly as long as the face; third rather deep, nearly linear, slightly rounded at the tip, mor twice the length of the second; bristle bare, rather stout at the much more than twice the length of the third joint: chest, and abdomen gray: abdomen oval, a little longer than the under side pale yellow, with a narrow gray stripe: legs clothed with black hairs and bristles; hips and thighs tinged gray; shanks tawny with dark tips: wings slightly gray; wi tawny; veins black, tawny at the base; lower cross-vein slightly curved inward; scales rather small, white with pale borders, the lower extending very little beyond the upper; pale tawny. Length of the body 2¼ lines; of the wings 4½ li

a. St. Martin's Falls, Albany River, Hudson's Bay. Presen G. Barnston, Esq.

DIALYTA, *Meigen.*

DIALYTA? cupreifrons, *Barnston's MSS.*, fem. *Nigro-cinere race antico fusco bivittato, pedibus nigro-cinereis, genubus gineis, alis cinereis.*

Body black, clothed with black hairs and bristles: head ing: chest, breast and abdomen tinged with gray: fore part chest adorned with three pale brown stripes: abdomen oval, longer than the chest: legs black, clothed with black hai bristles; thighs and shanks slightly tinged with gray; knees ferruginous; foot-cushions tawny: wings gray; wing-ribs t veins black, tawny at the base; lower cross-vein straight; small, white with pale yellow borders, the upper extending a beyond the lower; poisers tawny. Length of the body 2¼ lin the wings 4½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Present G. Barnston, Esq.

CÆNOSIA, *Meigen.*

A. *Feeler-bristle hairy.*

SIA fungorum, *Meig. Dipt.* v. 211, 1. Musca fungorum, *Deg.* ns. vi. 42, 18, *pl.* 5, *f.* 1—7. *Fall. Musc.* 89, 121.
gland.

SIA tigrina, *Meig. Dipt.* v. 212, 2. *Macq. Hist. Nat. Dipt.* ii. 44, 1. Musca tigrina, *Fabr. Sp. Ins.* ii. 444, 42. *Ent. Syst.* . 322, 42. *Syst. Antl.* 297, 66. *Turt.* iii. 602. M. rapax, *Stew. El.* ii. 260. M. quadrum, *Fall. Musc.* 80, 99. Caricea ommunis, *Desv. Essai Myod.* 531, 2. Anthomyza tigrina? *Zett. Dipt. Scand.* iv. 1712, 89.
gland.
-la-Chapelle. Presented by F. Walker, Esq.
nce.

SIA Alete, n. s., fem. *Nigro-cinerea, capite cano, abdominis egmentorum marginibus posticis fulvis, palpis fulvis, antennis edibusque nigris, femoribus apice tibiisque basi fulvis, alis inereis.*

Body black, rather narrow: head hoary; epistoma not promi- crown black; sides of the face without bristles: eyes bright fore part flat, its facets much larger than those elsewhere: black, clothed at the tip with a few tawny hairs; palpi taw- lub-shaped, clothed with short black hairs: feelers black, as long as the face; third joint about thrice the length of the l, linear, rounded at the tip; bristle nearly twice the length of ird joint, deeply feathered, stout near the base, very slender ds the tip: chest and abdomen slightly tinged with bluish abdomen nearly cylindrical, a little longer than the chest; borders of the segments tawny: legs black, stout, clothed with hairs and bristles; tips of the thighs and shanks towards the awny: wings gray, rather narrow; wing-ribs and veins black; oss-vein straight; third longitudinal vein very slightly curved rd near the tip, which joins the border at the tip of the wing; white, with yellow borders, rather large, the lower twice the h of the upper; poisers tawny. Length of the body 3 lines; wings 5 lines.

gypt. Presented by Sir Gardner Wilkinson.

OSIA spinosa, *Barnston's MSS.*, fem. *Cinerea, capite cano, palpis antennisque nigris, articulo 2º apice ferrugineo, pedibus fulvis, alis limpidis.*

Body black, with a gray covering, clothed with black hairs and es: head adorned with a hoary covering, which has a tawny

tinge above: eyes red; fore part rather flat, its facets a little l than those elsewhere: sucker black, clothed with tawny l palpi black, beset with black bristles: feelers black, nearly as as the face; second joint ferruginous at the tip; third joint l about four times the length of the second, truncated at th first joint of the bristle very short; second joint long; third about thrice the length of the second, feathered with very hairs from the base to the tip: sides of the face without br epistoma not prominent: abdomen obconical, very much l than the chest: legs tawny, clothed with black hairs and br claws pitchy, hairy; foot-cushions pale tawny: wings colou wing-ribs and veins tawny; lower cross-vein with two very curves, which occupy half the length from the base, the low ward, the upper inward; poisers tawny. Length of the bo lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presen G. Barnston, Esq.

** B. *Feeler-bristle not hairy.*

CÆNOSIA nemoralis, *Meig. Dipt.* v. 212, 3, *pl.* 45, *f.* 9. *Hist. Nat. Dipt.* ii. 345, 6.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

CÆNOSIA intermedia? *Meig. Dipt.* v. 214, 7. Musca intern *Fall. Musc.* 87, 115. Anthomyza intermedia? *Zett. Ins.* 693, 140. *Dipt. Scand.* iv. 1723, 102.

a. Haparanda. Presented by the Entomological Club.

CÆNOSIA murina? *Meig. Dipt.* v. 215, 8. Var.? C. 6-n *Meig. Dipt.* v. 213, 5. *Macq. Hist. Nat. Dipt.* ii. 3 Anthomyza 6-notata? *Zett. Ins. Lapp.* 694, 146. *Dipt.* iv. 1718, 96.

a. Haparanda. Presented by the Entomological Club.

CÆNOSIA nigrimana, *Meig. Dipt.*. v. 215, 9. Anthomyza n mur? *Zett. Dipt. Scand.* iv. 1732, 112.

a. Haparanda. Presented by the Entomological Club.

CÆNOSIA means? *Meig. Dipt.* v. 216, 10. *Macq. Hist. Dipt.* ii. 346, 10. Limosia paludosa? *Desv. Essai Myod* 15. Anthomyza means? *Zett. Ins. Lapp.* 695, 150. *Scand.* iv. 1725, 105.

a. Haparanda. Presented by the Entomological Club.

osia nigra? *Meig. Dipt.* v. 216, 12.
aparanda. Presented by the Entomological Club.

osia decipiens? *Wied. Meig. Dipt.* v. 218, 17. *Macq. Hist Nat. Dipt.* ii. 347, 14. Limosia scirporum? *Desv. Essai Myod* 536, 1. L. rivularis, *Desv. Essai Myod.* 538, 11. Anthomyza decipiens, *Zett. Dipt. Scand.* iv. 1735, 116.
aparanda. Presented by the Entomological Club.
ollare, Lapland. Presented by the Entomological Club.
osal. Presented by the Entomological Club.
ten. Presented by F. Walker, Esq.

osia perpusilla, *Meig. Dipt.* v. 218, 18. *Macq. Hist. Nat. Dipt.* ii. 347, 15. Limosia littoralis? *Desv. Essai Myod.* 538, 12.
x-la-Chapelle. Presented by F. Walker, Esq.

osia meditata? *Meig. Dipt.* vi. 219, 19. Musca meditata? *Fall. Musc.* 87, 114. Anthomyza meditata? *Zett. Ins. Lapp.* 692, 139. *Dipt. Scand.* iv. 1715, 92.
aparanda. Presented by the Entomological Club.

osia geniculata? *Meig. Dipt.* v. 219, 20, *pl.* 45, *f.* 10, *Macq. Hist. Nat. Dipt.* ii. 347, 16. Musca geniculata? *Fall. Musc.* 89, 120. Anthomyza geniculata? *Zett. Ins. Lapp.* 694, 145. *Dipt. Scand.* iv. 1720, 918.
apland. Presented by the Entomological Club.

osia humilis, *Meig. Dipt.* v. 220, 23. Anthomyza humilis? *Zett. Dipt. Scand.* iv. 1732, 113.
ix-la-Chapelle. Presented by the Entomological Club.

osia monilis, *Meig. Dipt.* v. 222, 27. *Macq. Hist. Nat. Dipt.* ii. 346, 11.
ix-la-Chapelle. Presented by F. Walker, Esq.

osia myopina, *Meig. Dipt.* v. 222, 28. Musca myopina, *Fall. Musc.* 65, 66.
ix-la-Chapelle. Presented by F. Walker, Esq.

osia spinipes, *White, Zool. Voy. Erebus and Terror*, mas. *Cinerea, capite fulvo, abdomine fusco trivittato, abdomine maculis sex trigonis canis ornato, palpis fulvis, antennis nigris, articulo 2º ferrugineo, pedibus fulvis, tarsis nigris, alis cinereis.*

Body thinly clothed with black hairs and bristles: head bright ay; sides of the face without bristles; epistoma not prominent:

eyes red; fore part rather flat, its facets much larger than those where: sucker pitchy, clothed with tawny hairs; palpi tawny, with black bristles: feelers deep black, shorter than the face; joint linear, slender, rounded at the tip, about thrice the len the second, which is dark ferruginous; bristle black, slender, d rather stout for one-third of the length from the base, full twi length of the third joint: chest and breast gray: disk of the with a tawny tinge, adorned with three slender brown stripes: men gray, spindle-shaped, adorned with a large triangular spot on each side of the fore border of every segment, ferrugin the tip beneath, longer and a little narrower than the chest dark tawny, clothed with black hairs and bristles; feet black, towards the base; claws black; foot-cushions pale tawny: gray; cross-veins clouded with brown; wing-ribs tawny; black, tawny towards the base; lower cross-vein almost st slightly oblique, separated by more than its length from the cross-vein, which is stouter and more oblique; scales of m size, whitish with pale yellow borders, the lower extending the upper; poisers tawny. Length of the body $2\frac{1}{4}$ lines; wings $4\frac{1}{2}$ lines.

a. New Zealand.

Cænosia sex-maculata, *Barnston's MSS.*, fem. *Nigro-capite antico albo micante, thorace fusco trivittato, al fusco sex-maculato, palpis fulvis, antennis piceis, pedibu cinereis, tibiis fulvis, tarsis piceis, alis subcinereis basi*

Body black, clothed with black hairs and bristles adorned with white lustre in front, beneath, and on each side crown; a ferruginous stripe tapering from the eyelets to the the feelers; sides of the face without bristles; epistoma not nent: eyes red; a small space of the fore part flat, and comp much larger facets than those elsewhere: sucker black, pit clothed with tawny hairs at the tip; palpi pale tawny, bes black bristles: feelers pitchy, shorter than the face; thi linear, rounded at the tip, more than twice the length of the first and second joints ferruginous; bristle black, bare, muc than twice the length of the third joint: chest and breas chest adorned with three brown stripes: abdomen gray, el longer than the chest, adorned with three dark brown spots side: legs clothed with black hairs and bristles; hips and black, tinged with gray; shanks tawny; feet pitchy; claws foot-cushions dark tawny: wings slightly gray, tawny at th wing-ribs tawny; veins black, tawny at the base; cross-vein straight, far from the border; scales rather large, white wi

ellow borders, the lower extending beyond the upper; poisers awny. Length of the body 1½ line; of the wings 3 lines.

. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ÆNOSIA substituta, n. s., mas. *Cana, capite albo, abdomine cervino, palpis nigris, pedibus fulvis, tarsis nigris, alis albidis.*

Like *C. ferruginea* in structure: body black, clothed with black airs and bristles: head adorned with white lustre; a triangular spot at the base of the feelers: eyes pitchy; fore part rather flat, s facets larger than those elsewhere: sucker pitchy, clothed with awny hairs; palpi black, beset with black bristles: feelers tawny at he base: chest adorned with a hoary covering: abdomen spindle-haped, adorned with a fawn-coloured covering, longer and a little arrower than the chest: legs tawny, clothed with black hairs and ristles; feet black: wings whitish; wing-ribs and veins tawny, the atter pitchy towards the tips; lower cross-vein slightly curved nward in the middle part of its course; scales white, with yellow orders; poisers tawny. Length of the body 3 lines; of the wings 7 lines.

. Massachusetts. From Professor Sheppard's collection.

LISPE, *Meigen.*

LISPE tentacula, *Fall. Musc.* 931. *Meig. Dipt.* v. 226, 3., *pl.* 45, *f.* 15. *Macq. Hist. Nat. Dipt.* ii. 314, 2. *Zett. Ins. Lapp.* 699, 1. *Dipt. Scand.* v. 1796, 1. Musca tentaculata, *Fall. Musc.* 931. *Latr. Gen. Crust.* iv. 347. *Cons. Gén.* 444. Lispa fluviatilis, *Desv. Essai Myod.* 525, 2.

a. England.
b. France.
c. Stockholm. Presented by the Entomological Club.

LISPE litorea, *Fall. Dipt. Musc.* 94, 3. *Meig. Dipt.* v. 227, 4. *Haliday, Ent. Mag.* i. 166. *Zett. Dipt. Scand.* v. 1799, 4. *Loew. Ent. Zeit. Stett.* viii. 1847, 25, 2.

a. England.

LISPE hispida, *Barnston's MSS.* *Cinerea, capite antico fulvo, abdominis dorso nigro maculis cinereis ornato, palpis fulvis, antennis nigris, pedibus nigro-cinereis, tarsis piceis, alis cinereis.*

Body black, clothed with black hairs and bristles: head hoary behind, pale dull tawny in front; sides of the face without bristles;

epistoma not prominent: eyes red; fore part flat, its facets much larger than those elsewhere: sucker pitchy, clothed with ta hairs; palpi tawny, beset with black bristles, widened into a ro form: feelers black, as long as the face; third joint slender, tin conical at the tip, more than thrice the length of the second jo chest and breast tinged with gray: abdomen elliptical, a broader and longer than the chest, flat above, adorned on each with large triangular gray spots; under side gray: legs b clothed with black hairs and bristles; thighs and shanks ti with gray; knees ferruginous; feet pitchy; claws black; cushions tawny: wings gray; wing-ribs tawny; veins black, ta towards the base; lower cross-vein nearly straight, but ha a slight outward curve near the base; scales large, whitish pale yellow borders, the lower extending far beyond the upper; sers dark tawny. Length of the body 2½ lines; of the wi lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presente G. Barnston, Esq.

LISPE simillima, n. s., fem. *Nigra, palpis antennis pedibusqu gris, alis cinereis.*

Body black, clothed with black hairs and bristles: eyes b fore part flat, its facets larger than those elsewhere: sucker palpi black, hairy: feelers black, a little shorter than the face; joint linear, rounded at the tip, near thrice the length of the se bristle feathered: abdomen elliptical, flat, a little longer broader than the chest: legs black, clothed with black hair bristles: wings gray; wing-ribs pitchy; veins black; lower vein straight, separated by more than twice its length from middle cross-vein; scales white, with tawny borders; poisers p Length of the body 3 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Present G. Barnston, Esq.

CORDYLURA, *Fallen.*

Group I. Mosina, *Desv. Essai Myod.* 670.

CORDYLURA pubera, *Fall. Scatomyz.* 6, 1. *Meig. Dipt.* v. 2 *pl.* 45, *f.* 22. *Macq. Hist. Nat. Dipt.* ii. 381, 1, *pl.* 18, *Zett. Ins. Lapp.* 725, 1. *Dipt. Scand* v. 1995, 1. Musc bera, *Linn. Syst. Nat.* ii. 994. *Faun. Suec.* 1855. *Gmel*

Syst. Nat. i. 5, 2850, 95. *Fabr. Sp. Ins.* ii. 446, 55. *Ent. Syst.* iv. 336, 101. Ocyptera pubera, *Fabr. Syst. Antl.* 315, 0. Mosina pubera, *Desv. Essai Myod.* 671, 1.
gland.
nce?
Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.

LURA picipes, *Meig. Dipt.* v. 232, 4. *Macq. Hist. Nat. Dipt.* ii. 382, 6.
gland.

LURA albipes, *Fall. Scatom.* 9, 8. *Meig. Dipt.* v. 283, 8. *Macq. Hist. Nat. Dipt.* ii. 383, 10. *Zett. Ins. Lapp.* 726, 5. *Dipt. Scand.* v. 2004, 9. Mosina filipes, *Desv. Essai Myod.* 73, 7.
gland. Presented by F. Walker, Esq.
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nce.

Group II. Phrosia, *Desv. Essai Myod.* 668.

LURA albilabris, *Meig. Dipt.* v. 233, 7. *Macq. Hist. Nat. Dipt.* ii. 382, 8. *Zett. Dipt. Scand.* v. 2002, 8. Ocyptera albilabris, *Fabr. Syst. Antl.* 315, 11. Phrosia scirpi, *Desv. Essai Myod.* 669, 1.
-la-Chapelle. Presented by F. Walker, Esq.

Group III. Norellia, *Desv. Essai Myod.* 673.

LURA armipes, *Meig. Dipt.* v. 234, 10.
-la-Chapelle. Presented by F. Walker, Esq.

LURA flavicauda, *Meig. Dipt.* v. 235, 12. *Macq. Hist. Nat. Dipt.* ii. 384, 14.
gland. Presented by F. Walker, Esq.

LURA spinimana, *Fall. Scatom.* 7, 3. *Meig. Dipt.* v. 235, 13. *Macq. Hist. Nat. Dipt.* ii. 383, 11. *Zett. Ins. Lapp.* 726, 7. *Dipt. Scand.* v. 2007, 11. Musca semiflava, *Panz. Faun. Germ.* 59, 19. Norellia pseudo-narcissi, *Desv. Essai Myod.* 73, 1.
gland. Presented by F. Walker, Esq.

Group ——— ?

CORDYLURA apicalis, *Wied. Meig. Dipt.* v. 236, 15.
a. England.

Group IV. Cleigastra, *Macq.*

CORDYLURA liturata, *Wied. Meig. Dipt.* v. 238, 19. Cleigas
turata, *Macq. Hist. Nat. Dipt.* ii. 387, 12.
a. England. Presented by F. Walker, Esq.

CORDYLURA obscura, *Fall. Scatom.* 9, 6? *Meig. Dipt.* v. 24
Zett. Dipt. Scand. v. 2066, 57. Cleigastra obscura,
Hist. Nat. Dipt. ii. 385, 3.
a. England. Presented by F. Walker, Esq.

Note.—The following species of Cordylura are not arr
in groups.

CORDYLURA bicolor, *Barnston's MSS.*, fem. *Cana, thorace
quadrivittato, lateribus scutellique apice ferrugineis, abd
ferrugineo basi subtusque cinereo, pedibus fulvis, alis subci*

Body black, adorned with a hoary covering, very
clothed with black hairs and bristles: head wanting: chest
four slender brown stripes, the outer pair indistinct; sides
ferruginous; tip of the scutcheon ferruginous: abdomen obc
ferruginous, longer than the chest, gray towards the base, and
cially on the under side: legs tawny, clothed with black hai
bristles; feet pitchy towards the tips; claws black; fore thig
ther darker and stouter than the rest: wings pale gray; win
tawny; veins black, tawny towards the base; lower cross-vei
slightly curved inward, indistinctly clouded; scales very
their tawny borders fringed with pale yellow hairs: poisers
Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presen
G. Barnston, Esq.

CORDYLURA cupricrus, *Barnston's MSS.*, mas. *Cana, capit
vertice ferrugineo maculato, palpis piceis, antennis nigris,
bus fulvis, tarsis piceis, alis limpidis.*

Body black, clothed with black hairs and bristles, adorne
a hoary covering: head white in front and beneath: a bright

pot on the crown adjoining the base of the feelers; sides of and of the peristoma pale ferruginous, the former without ; epistoma not prominent: eyes red, partly black, convex; acets very small: sucker black, tawny at the base, clothed tip with tawny hairs; palpi pitchy, tawny at the base, with black bristles; feelers black, a little shorter than the ird joint nearly linear, rounded at the tip, much more than e length of the second; bristle feathered with hairs of mo- ength, much more than twice the length of the third joint: n linear, narrower and very much longer than the chest; ges tawny: legs tawny, clothed with black hairs and bris- re thighs gray; feet pitchy; foot-cushions tawny: wings ss; wing-ribs and veins pale tawny, the latter darker to- he tips; lower cross-veins straight; scales rudimentary; yellow. Length of the body 2 lines; of the wings 4 lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by Barnston, Esq.

URA flavipennis, *Barnston's MSS.*, fem. *Cinerea, palpis ennis pedibusque nigris, alis subfulvis.*

dy black, with a gray covering, clothed with black hairs tles: sides of the face without bristles: epistoma prominent: ; fore part convex; all the facets very small: sucker black, ender, clothed with tawny hairs; palpi black, subclavate, beset ck bristles: feelers black, a little shorter than the face; third wny, very slightly increasing in depth to the tip, which is almost d, nearly thrice the length of the second joint; bristle downy, vice the length of the third joint: abdomen spindle-shaped, ut not broader than the chest: legs black, clothed with black d bristles; foot-cushions pitchy: wings slightly tawny; wing- l veins tawny; veins pitchy towards the tips; lower cross- ight; scales dingy white, with pale yellow borders; poisers vny. Length of the body 3 lines; of the wings 5 lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by Barnston, Esq.

LURA imperator, *Barnston's MSS.*, fem. *Cinerea, palpis an- nisque nigris, pedibus fulvis, alis subcinereis ad costam sub- lvis.*

dy black, with a gray covering, clothed with black hairs and : sides of the face without bristles; epistoma hardly promi- eyes red; fore part slightly convex; the facets small: black, clothed with tawny hairs; palpi black, beset with

black bristles: feelers black, nearly as long as the face; thir linear, rounded at the tip, nearly twice the length of the s bristle feathered to the tip with short hairs, nearly twice the of the third joint; abdomen nearly linear: legs tawny, cloth black hairs and bristles; claws black; foot-cushions pale wings somewhat gray, with a slight tawny tinge along the fo ders; wing-ribs tawny; veins pitchy; lower cross-vein very curved inward; scales dingy white, with pale yellow b poisers pale tawny. Length of the body 2 lines; of the w lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Prese G. Barnston, Esq.

CORDYLURA longa, n. s. mas. *Cinerea, angusta, capite fla race bivittato, abdomine nigro, palpis fulvis apice picei nis flavis, pedibus fulvis, alis subcinereis.*

Body long and narrow, thinly clothed with black h bristles: head bright yellow, with the exception of a bla across the crown, including the eyelets, clothed beneath w yellow hairs; hind part gray; sides of the face without epistoma not prominent: sucker black, clothed at the tawny hairs; palpi tawny, pitchy towards the tips, cloth black bristles: eyes dark red, partly black, convex; face fore part larger than those elsewhere: feelers bright yello shorter than the face; third joint nearly linear, almost trun the tip, clothed with black down, more than twice the leng second joint; bristle black, bare, slender, stout towards more than twice the length of the third joint: chest an gray; chest with two slender, indistinct darker stripes on e abdomen black, shining, thickly clothed on each side and with black hairs, linear, narrower and very much longer chest: legs tawny, clothed with black hairs and bristles black: wings slightly tinged with gray; wing-ribs tawny black, tawny towards the base; lower cross-vein straight rudimentary; poisers yellow. Length of the body $2\frac{3}{4}$ line wings $4\frac{1}{2}$ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Pres G. Barnston, Esq.

DYLURA tenuior, *Barnston's MSS.* *Cinerea, capite pectoreque canis, palpis pedibusque fulvis, antennis tarsisque nigris, alis limpidis.*

Body black, adorned with a gray covering, clothed with black s and bristles; head hoary in front and beneath; sides of the without bristles: eyes bright red; facets of the front a little er than those elsewhere: sucker black, clothed with tawny s; palpi tawny, beset with black bristles: feelers black, nearly ng as the face; third joint linear, rather slender, tawny at the , rounded at the tip, more than twice the length of the second ; bristle clothed with short hairs, nearly thrice the length of third joint: breast hoary: abdomen wanting: legs tawny, ed with black hairs and bristles; feet black, tawny at the base; cushions tawny: wings colourless; wing-ribs and veins tawny; r cross-vein perpendicular, nearly straight, more than twice its th distant from the middle cross-vein, and about four times its th from the tip of the wing: scales very small, colourless, with yellow borders; poisers yellow. Length of the body 1½ line; e wings 3 lines.

t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DYLURA volucricaput, *Barnston's MSS.*, mas. et fem. *Cinerea, capite ferrugineo maculato, abdomine nigro apice fulvo, palpis flavis, antennis nigris basi ferrugineis, pedibus fulvis, alis limpidis.*

Body black, with a gray covering, clothed with black hairs and les: a large ferruginous spot adjoining the base of the feelers; stoma white, tawny on each side; sides of the face without bris- ; epistoma not prominent: eyes red, convex; facets on the fore larger than those elsewhere: sucker black, clothed with tawny s; palpi pale yellow, spindle-shaped, clothed with white hairs: ers deep black, much shorter than the face; first and second ts ferruginous; third joint conical, much longer than the se- l; bristle bare, slender, rather stout at the base, a little more twice the length of the third joint: abdomen quite black, li- , tawny and shining at the tip, clothed with hoary hairs and les; longer but hardly narrower than the chest: legs tawny, hed with hoary hairs and with a few black bristles; claws black; thighs rather thick: wings colourless; wing-ribs tawny; veins k, tawny at the base; lower cross-vein straight; scales very ll, colourless, their borders pale yellow, fringed with white hairs; ers tawny. *Female.*—Head pale yellow on each side of the

peristoma; face white: first and second joints of the feelers f
nous; third joint more than twice the length of the second:
side of the abdomen dull ferruginous. Length of the body 2
of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Prese
G. Barnston, Esq.

CORDYLURA Æa, n. s., fem. *Cana, abdomine fusco sexm
palpis antennisque nigris, pedibus fulvis, femoribus cine
limpidis.*

Body hoary, clothed with black hairs and bristles: side
face without bristles; epistoma rather prominent: eyes
stripe of the fore part nearly flat, its facets much larger th
elsewhere: sucker black, clothed with tawny hairs; palpi bl
set with black bristles: feelers black, much shorter than t
third joint nearly twice the length of the second, very slig
creasing in depth from the base to the tip, which is oblique
cated; bristle much more than twice the length of the thi
its second joint of moderate length; third joint clothed w
short black hairs for half the length from the base, which i
abdomen elliptical, deep, slightly compressed, a little lon
narrower than the chest; a brown spot on each side of t
fourth, and fifth segments: legs tawny, clothed with bla
and bristles, which are longest and most frequent on the
thighs gray, with tawny tips; feet dark tawny, with bl
claws black; foot-cushions large, pale yellow: wings colo
whitish; wing-ribs and veins tawny; lower cross-vein
about twice its length distant from the middle cross-vein
large, white, the lower extending far beyond the upper;
tawny. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Pres
G. Barnston, Esq.

SCATOPHAGA, *Latreille.*

* *Feeler-bristle hairy.*

SCATOPHAGA formosa, *M. B. Wied. Auss. Zweif.* ii. 447, 1.
a. Nepaul. From the Hardwicke bequest.
b. North India. From Mrs. L. James' collection.

OPHAGA scybalaria, *Latr. Gen. Crust.* iv. 358. *Meig. Dipt.* v. 247, 1. *Desv. Essai Myod.* 624, 1. *Macq. Hist. Nat. Dipt.* ii. 392, 1. Musca scybalaria, *Linn. Faun. Suec.* 1860. *Gmel. Ed. Syst. Nat.* v. 2853, 104. *Fabr. Sp. Ins.* ii. 449, 72. *Ent. Syst.* iv. 345, 137. *Syst. Antl.* 307, 118. Scatomyza scybalaria, *Fall. Scatom.* 3, 1. *Zett. Ins. Lapp.* 720, 1. *Dipt. Scand.* v. 1960, 1.
ngland.
rance.

OPHAGA stercoraria, *Latr. Gen. Crust.* iv. 358. *Meig. Dipt.* v. 248, 2. *Desv. Essai Myod.* 627, 7. *Macq. Hist. Nat. Dipt.* ii. 393, 5. Musca stercoraria, *Linn. Faun. Suec.* 1861. *Gmel. Ed. Syst. Nat.* v. 2853, 105. *Fabr. Sp. Ins.* ii. 449, 73. *Ent. Syst.* iv. 345, 137. *Syst. Antl.* 307, 119. *Deg. Ins.* vi. 42, 17. *Geoff. Ins.* ii. 530, 69. *Reaum. Ins.* iv. *Mem.* 9, 118, *pl.* 26. M. scybalaria, *Schrank, Ins. Austr.* 950. Volucella scybalaria, *Schrank, Faun. Boic.* iii. 2499. Scatomyza stercoraria, *Fall. Scatom.* 4, 3. *Zett. Ins. Lapp.* 721, 3. *Dipt. Scand.* v. 1968, 7.
ngland.
rance.
——? From Mr. Children's collection.
lammerfest. Presented by F. Walker, Esq.
ast Indies. Presented by Capt. Parry.

OPHAGA hottentotta, *Macq. Dipt. Exot.* ii. 3. 185.
outh Africa. Presented by Dr. A. Smith.

OPHAGA merdaria, *Meig. Dipt.* v. 249, 3. *Macq. Hist. Nat. Dipt.* ii. 294, 6. Musca merdaria, *Fabr. Ent. Syst.* iv. 344, 133. *Syst. Antl.* 306, 114. Scatomyza merdaria, *Zett. Dipt. Scand.* v. 1970.
England.
France.
Finmark. From Mr. Children's collection.
——?
Alten. Presented by F. Walker, Esq.
Kollare, Lapland. Presented by the Entomological Club.
Upsal. Presented by the Entomological Club.

SCATOPHAGA lutaria, *Meig. Dipt.* v. 249, 4. *Macq. Hist Dipt.* ii. 1393, 2. Musca lutaria, *Fabr. Ent. Syst.* i 133. *Syst. Antl.* 306, 115. Scatomyza suilla, *Fall. S* 3, 2. *Zett. Ins. Lapp.* 720, 2. S. lutaria, *Zett. Dipt. S* v. 1962, 2.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. Umea, Sweden. Presented by the Entomological Club.
e. Finmark. From Mr. Children's collection.

SCATOPHAGA spurca, *Meig. Dipt.* v. 250, 6. *Macq. Hist. Na* ii. 393, 4. Scatomyza suilla, var. *γ.*, *Fall. Scatom.* 52. *Ins. Lapp.* 720, 2, var. *b*, *c*. S. spurca, *Zett. Dipt. Sc* 1967, 6. Scatophaga nemorosa ? *Desv. Essai Myod.* 62

a. England.
b. Upsal. Presented by the Entomological Club.
c. Aix-la-Chapelle. Presented by F. Walker, Esq.

SCATOPHAGA intermedia, n. s., fem. *Cana, capite fulvo supr maculato subtus albo micante, thoracis lateribus fusco ma abdominis apice fulvo, palpis fulvis, antennis nigris basi gineis, pedibus fulvis, alis subcinereis.*

Body with a hoary covering, clothed with black hairs an tles: head tawny, bright yellow at the base of the feelers, a beneath with white reflections; sides of the face without b epistoma not prominent: eyes red, convex; all the facets sucker black, clothed with tawny hairs; palpi tawny, bes black bristles: feelers black, much shorter than the face; fi second joints ferruginous; third joint linear, ferruginous base, rounded at the tip, much longer than the second joint; downy, not longer than the third joint: chest adorned on ea with some pale brown marks: abdomen elliptical, tawny at t very little longer and broader than the chest: legs tawny, c with black hairs and bristles; feet darker; claws black; tinged with gray: wings slightly gray; wing-ribs tawny; pitchy, tawny towards the base; poisers pale tawny. Length body 2 lines; of the wings 4½ lines.

a. Nova Scotia. From Lieut. Redman's collection.

TOPHAGA pallida, n. s. fem. *Fulva, palpis flavis, antennis fulvis, abdominis apice ferrugineo, pedibus flavis, tarsis anticis fulvis, alis limpidis.*

Body pale tawny, thinly beset with black bristles: head clothed ath with a few pale tawny hairs; face white, bordered with yel- a single black bristle on each side at the base; epistoma not inent: eyes red, convex; the facets very small, but rather r on the fore part than elsewhere: sucker ferruginous, clothed tawny hairs; palpi pale yellow, beset with black bristles: feel- ale tawny, shorter than the face; third joint linear, rounded at ip, much longer than the second; bristle black, feathered with of moderate length, stout at the base, near twice the length of hird joint: disk of the chest tawny: abdomen a little longer the chest, tapering from near the base to the tip, which is fer- ous: legs yellow, clothed with short black hairs, beset with a black bristles; claws black; fore feet tawny: wings colourless; -ribs pale tawny; veins tawny, paler at the base; lower cross- with two curves, the lower outward, the upper inward, parted ore than its length from the middle cross-vein, and by more twice its length from the tip of the wing; poisers yellow. gth of the body 2½ lines; of the wings 5 lines.

t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group III. Scatina, *Desv. Essai Myod.* 629.

TOPHAGA squalida, *Meig. Dipt.* v. 252, 10. *Macq. Hist. Nat. Dipt.* ii. 394, 9. Cordylura fuscinervis, *Zett. Ins. Lapp.* 733, 8. Scatomyza squalida, *Zett. Ins. Lapp.* 721, 6. *Dipt. Scand.* v. 1972, 10.

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rance.

arasawandra, Lapland. Presented by F. Walker, Esq.

Iammerfest. Presented by F. Walker, Esq.

ollare. Presented by the Entomological Club.

Iaparanda. Presented by the Entomological Club.

t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Nova Scotia. From Lieut. Redman's collection.

TOPHAGA litorea, *Meig. Dipt.* v. 254, 15. Scatomyza litorea, *Fall. Scatom.* 4, 4. *Zett. Ins. Lapp.* 722, 8. *Dipt. Scand.* v. 1975, 12.

Iammerfest. Presented by F. Walker, Esq.

SCATOPHAGA pubescens, *Barnston's MSS.*, mas. *Fusca, capit tico ferrugineo, palpis flavis, antennis ferrugineis, pedibus vis, alis subcinereis.*

Body adorned with a pale dull brown covering, clothed blue hairs and bristles: head ferruginous in front, sides of the without bristles; epistoma not prominent: eyes red, convex; a facets small: sucker black; palpi pale yellow: feelers pale fe nous; third joint linear, rounded and blackish towards th much longer than the second joint; bristle downy towards the much more than twice the length of the third joint: abdom little longer than the chest: legs dark tawny, clothed with hairs and bristles; claws black: wings slightly gray; win tawny; veins pitchy, tawny towards the base; cross-veins cl with brown; poisers tawny. Length of the body 2½ lines; wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Present G. Barnston, Esq.

b. Nova Scotia. From Lieut. Redman's collection.

SCATOPHAGA bicolor, *Barnston's MSS.*, mas. *Cinerea, capit tice ferrugineo, abdomine fulvo, palpis flavis, antennis gineis, articulo 3º supra piceo, pedibus fulvis, alis subcin*

Body thinly beset with long black bristles: head and gray: head ferruginous in front of the crown, yellow beneath of the face with two or three bristles at the base; epistoma s prominent: eyes pitchy, convex; facets of the fore part large those elsewhere: sucker ferruginous, clothed with tawny palpi yellow, beset with black bristles: feelers ferruginous, ne long as the face; third joint linear, pitchy above, round the tip, about twice the length of the second; bristle black, rather stout at the base, about twice the length of the third chest adorned with three brown stripes: abdomen pale nearly linear, clothed with short black hairs, hardly longer th chest: legs tawny, clothed with black hairs, beset with blac tles; claws black; foot-cushions yellow: wings very slightly wing-ribs tawny; veins pitchy, tawny at the base; cross clouded with brown; lower cross-vein hardly curved ou slightly oblique, parted by full twice its length from the n cross-vein, and by more than thrice its length from the tip wing; poisers yellow. Length of the body 2½ lines; of the 5½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Present G. Barnston, Esq.

TOPHAGA villipes. Scatomyza villipes, *Zett. Dipt. Scand.* v. 197.
Finmark. Presented by F. Walker, Esq.

TOPHAGA Zamiel, (n. g.?) n. s., mas. et fem. *Atra, capite rufo, abdomine nigro-cyaneo, palpis antennisque rufis, pedibus alisque nigris.*

Body bluish black, shining, clothed with black hairs: head p red: eyes black: sucker red above, pitchy and clothed with ny hairs beneath; palpi red, beset with long black bristles: feel- red, very short; third joint rounded at the tip, shorter than the nd; bristle tawny, bare, more than thrice the length of the third it: abdomen dark blue: legs black, clothed with black hairs; t-cushions tawny: wings, wing-ribs and scales black; poisers ck. Length of the body 11—12 lines; of the wings 20—22 es.

Interior of South Africa. Presented by the Earl of Derby.

Group IV. Amina, *Desv. Essai Myod.* 628.

Group V. Tomella, *Desv. Essai Myod.* 630.

DRYOMYZA, *Meigen.*

Group I. Dryope, *Desv. Essai Myod.* 618.

RYOMYZA flaveola, *Meig. Dipt.* v. 256, 1. *Macq. Hist. Nat. Dipt.* ii. 396, 1, *pl.* 18, *f.* 11. *Zett. Ins. Lapp.* 736, 1. *Dipt. Scand.* v. 2084, 2. Musca flaveola, *Fabr. Ent. Syst.* iv. 243, 130. *Syst. Antl.* 306, 111. M. mellinus, *Harr. Ex.* 74, *pl.* 21, *f.* 4. Dryomyza vetula, *Fall. Sciomyz.* 16, 1. Dryope communis, *Desv. Essai Myod.* 619.
England.
——? From Mr. Children's collection.

RYOMYZA præusta, *Meig. Dipt.* v. 257, 3. *Macq. Hist. Nat. Dipt.* ii. 396, 3. Dryope liturata? *Desv. Essai Myod.* 619, 2.
England.

RYOMYZA convergens, n. s., fem. *Fulva, capite antico flavo, thorace trivittato, palpis antennis pedibusque fulvis, alis subfulvis.*

Body tawny: head and chest beset with a few black bristles: ead pale yellow in front; sides of the face without bristles; epi-

stoma very slightly prominent: eyes pale red, convex; facets o
fore part larger than those elsewhere: sucker tawny, thinly cl
with yellow hairs; palpi tawny, beset with black bristles: f
tawny, shorter than the face; first and second joints beset with
black bristles; third joint nearly round, much broader and a
longer than the first and the second; bristle black, slende
second joint of moderate length, the third downy, more tha
times the length of the third feeler-joint: chest with three indi
darker stripes; breast paler than the chest: abdomen spi
shaped, darker than the chest, beset with short black bristles
pale tawny, thinly clothed with short black hairs; tips of the s
armed with black spurs; feet darker than the shanks; claws b
wings pale tawny; wing-ribs and veins tawny; veins pitch
wards the tips; lower cross-vein pitchy, straight, clouded
brown, full thrice its length distant from the middle cross-
poisers yellow. Length of the body 3—3½ lines; of the
7—8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Dryomyza Appula, n. s., mas. *Fulva, abdominis apice fusco,*
antennis pedibusque fulvis, alis limpidis.

Body tawny: head and chest thinly beset with long black
tles: head paler in front; sides of the face without bristles
stoma not prominent; a fringe of short black bristles alon
eyes, which are black and convex; all the facets very small: s
and palpi tawny; palpi beset with short black bristles: f
tawny, darkest along the upper side; third joint conical,
more than twice the length of the second, its breadth less tha
its length; second joint of the bristle rather stout, dark t
somewhat long; third joint black, downy, slender, much more
twice the length of the third feeler-joint: breast clothed with
very short black hairs: abdomen obconical, much shorter tha
chest, brownish towards the tip, clothed with black hairs and bri
legs tawny, clothed with short black hairs and with a few
bristles; feet darker towards the tips; claws black: wings co
less; wing-ribs and veins tawny; veins pitchy towards the
lower cross-vein very slightly curved inward, more than twi
length distant from the middle cross-vein, which is stout
straight; poisers yellow. Length of the body 3 lines;
wings 7 lines.

a. New Holland. Presented by the Entomological Club.

Group Oblicia, *Desv. Essai Myod.* 620.

SAPROMYZA, *Meigen.*

Note. — Desvoidy's groups are indicated in the remaining part is Catalogue, but a complete reference of the species to his ge- is reserved for a future publication.

OMYZA obsoleta, *Fall. Ortal.* 31, 6. *Meig. Dipt.* v. 260, 2. *Zett. Ins. Lapp.* iv. 752, 8. *Macq. Hist. Nat. Dipt.* ii. 397, 1. (Group Sylvia, *Desv. Essai Myod.* 636.) Musca flava, *Fabr. Sp. Ins.* ii. 452, 92. *Ent. Syst.* iv. 355, 177. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 115. *Stew. El.* 262. *Turt.* iii. 620. Tephritis flava, *Fabr. Syst. Antl.* 317, 6. Sylvia apicalis, *Desv. Essai Myod.* 636, 1.
ngland.
ix-la-Chapelle. Presented by F. Walker, Esq.
rance.

OMYZA rorida, *Fall. Ortal.* 32.7. *Meig. Dipt.* v. 259, 1, *Zett. Ins. Lapp.* 4, 751, 4. *Macq. Hist. Nat. Dipt.* ii. 398, 3. (Group Lycia, *Desv. Essai Myod.* 637.) Musca mulsus? *Harr. Ex.* 116, *pl.* 34, *f.* 20. Lycia flava, *Desv. Essai Myod.* 638, 1.
ngland.
rance.
weden. Presented by the Entomological Club.

OMYZA pallida, *Fall. Ortal.* 32, 8. *Meig. Dipt.* v. 260, 3.
ngland.
rance.

OMYZA flava, *Fall. Ortal.* 33, 13. *Meig. Dipt* v. 260, 4. *Hagenbach, Symb. Faun. Ins. Helv.* 47, *f.* 29. *Zett. Ins. Lapp.* 4, 753, 11. Musca flava, *Linn. Syst. Nat. Ed.* xii. 2, 997, 115, *Faun. Suec.* 1869. *Deg. Ins.* vi. 18, 13. *Geoff. Ins.* ii. 537, 86. *Schrank, Ins. Austr.* 957. *Faun. Boic.* iii. 2464. *Berk. Syn.* i. 165. *Shaw, Gen. Zool.* vi. 385.
ngland.
rance.
apland. Presented by F. Walker, Esq.
Iammerfest. Presented by F. Walker, Esq.
——? From Mr. Children's collection.
——?

SAPROMYZA albiceps, *Fall. Ortal.* 33, 11. *Meig. Dipt.* v. 2
(Group Chyromya, *Desv. Essai Myod.* 620). Musca f
Linn, &c. Chyromya fenestrarum, *Desv. Essai Myod.* 6
Lisella flava? *Desv. Essai Myod.* 649, 1. Scyphella f
Desv. Essai Myod. 650, 1.
a. England.

SAPROMYZA quadripunctata, *Fall. Ortal.* 32, 9. *Meig. Di*
262, 7. *Macq. Hist. Nat. Dipt.* ii. 398, 6. (Group
Desv. Essai Myod. 637. Musca quadripunctata, *Fabr. S*
ii. 453, 93. *Ent. Syst.* iv. 356, 178. *Gmel. Ed. Syst.*
5, 2856, 116. *Schrank, Faun. Boic.* iii. 2465. Tephriti
dripunctata, *Fabr. Syst. Antl.* 318, 7. *Turt.* iii. 620.
quadripunctata, *Desv. Essai Myod.* 638, 2.
a. England.
b. France.

SAPROMYZA sexpunctata, *Meig. Dipt.* v. 262, 8. *Macq. Hist*
Dipt. ii. 398, 7. Lycia sexpunctata, *Desv. Essai*
638, 3.
a. England.

SAPROMYZA præusta, *Fall. Ortal.* 31, 4. *Meig. Dipt.* v. 26
Macq. Hist. Nat. Dipt. ii. 399, 10. *Zett. Ins. Lapp.* i
3. Lycia liturata, *Desv. Essai Myod.* 640, 10.
a. England.
b. France.
c. Upsal. Presented by the Entomological Club.

SAPROMYZA rivosa, *Meig. Dipt.* v. 265, 17. *Macq. Hist.*
Dipt. ii. 403, 31. (Group Minettia, *Desv. Essai*
646.) Minettia nemorosa, *Desv. Essai Myod.* 647, 1.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

SAPROMYZA trimacula, *Meig. Dipt.* v. 267, 22. Musca mi
Harr. Ex. 74, *pl.* 21, *f.* 7.
a. England.

SAPROMYZA inusta, *Meig. Dipt.* v. 267, 21. *Macq. Hist*
Dipt. ii. 401, 21.
a. England.
b. France.

SAPROMYZA litura, *Hoffmansegg, Meig. Dipt.* v. 266, 20. S.
mannii, *Loew, Ent. Zeit. Stett.?*
a. England.

ıomyza saltuum. Musca saltuum, *Linn. Faun. Suec.* 1866. *Syst. Nat.* i. 996. 111. Musca unicolor, *Fabr. Syst. Antl.* 307, 120. Palloptera marginella, *Fall. Ortal.* 25, 4. Sapromyza unicolor, *Meig. Dipt.* v. 268, 24. *Macq. Hist. Nat. Dipt.* ii. 400, 18.
ngland.

ıomyza ustulata, *Meig. Dipt.* v. 268, 25. *Macq. Hist. Nat. Dipt.* ii. 404, 17. Palloptera ustulata, *Fall. Ortal.* 24, 2.
ngland.
rance.

ıomyza arcuata, *Meig. Dipt.* v. 269, 27. *Macq. Hist. Nat. Dipt.* ii. 401, 22. Musca arcuata, *Fabr. Sp. Ins.* ii. 451, 86. *Ent. Syst.* iv. 353, 170. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 242. Dacus arcuatus, *Fabr. Syst. Antl.* 277, 19. Palloptera arcuata, *Fall. Ortal.* 25, 3.
ngland.
rance.
——? From Mr. Children's collection.

ıomyza umbellatarum, *Meig. Dipt.* v. 269, 26. *Macq. Hist. Nat. Dipt.* ii. 402, 27. Musca umbellatarum, *Fabr. Sp. Ins.* ii. 451, 87. *Ent. Syst.* iv. 354, 171. *Turt.* iii. 619. M. gangrænosa, *Panz. Faun. Germ.* lix. 22. Dacus umbellatarum, *Fabr. Syst. Antl.* 277, 20. Trupanea umbellatarum, *Schrank, Faun. Boic.* iii. 2521. Palloptera gangrænosa, *Fall. Ortal.* 24, 1. P. umbellatarum, *Zett. Ins. Lapp.* 4, 750, 1.
ngland.
rance.
apland. Presented by the Entomological Club.

ıomyza decempunctata, *Meig. Dipt.* v. 270, 29. *Zett. Ins. Lapp.* iv. 751, 1. *Macq. Hist. Nat. Dipt.* ii. 401. 20. (Group Suillia, *Desv. Essai Myod.* 642.) Palloptera decempunctata, *Fall. Ortal.* 30, 1. Suillia communis, *Desv. Essai Myod.* 643, 4.
England.
France.
——? From Mr. Children's collection.

ıomyza Philadelphica, *Macq. Dipt. Exot.* ii. 3, 191, 13.
Georgia. From Mr. Abbot's collection.
Nova Scotia. From Lieut. Redman's collection.

SAPROMYZA dichromata, *White, Zool. Voy. Erebus and T*
Fulva, abdomine piceo, palpis antennis pedibus alisque fmle

Body tawny, thinly clothed with short black hairs: hea
chest beset with a few black bristles: sides of the face without
tles; epistoma not prominent: eyes pale red, convex; facets
fore part a little larger than those elsewhere: sucker tawny, c
with tawny hairs; palpi tawny, beset with black bristles:
tawny, very much shorter than the face; third joint conical, d
about twice the length of the second; bristle black, slender, d
much more than thrice the length of the third joint: abd
pitchy, nearly obconical, much shorter than the chest: legs t
clothed with short black hairs; feet dark tawny; claws b
wings tawny; wing-ribs and veins tawny, the latter darker to
the tips; lower cross-vein nearly straight; poisers tawny,
pitchy knobs. Length of the body $2\frac{3}{4}$ lines; of the wings 7 li

a. New Zealand. Presented by Dr. Sinclair.

SAPROMYZA Amida, mas. *Fulva, capite flavo, abdomine pice*
pis flavis, antennis pedibusque fulvis, tibiis posticis subar
alis limpidis.

Body tawny: head and chest beset with a few black br
head yellow; face tinged with white, its sides without bristles
stoma not prominent: eyes bright red, convex; all the facet
small: sucker and palpi yellow: feelers tawny, shorter th
face; third joint conical, downy, more than twice the length
second; bristle black, rather stout, feathered with long hair
than twice the length of the third feeler joint: abdomen
linear, shining, longer and much narrower than the chest
tawny; tips of the shanks armed with black spines; feet dar
wards the tips; claws black; hind shanks slightly curved:
colourless; wing-ribs tawny; veins black, tawny at the base;
cross-vein hardly curved inward, parted by much more than tw
length from the middle cross-vein; poisers tawny. Length
body $1\frac{1}{2}$ line; of the wings 3 lines.

a. Georgia. From Mr. Abbot's collection.

SAPROMYZA vittata, n. s. *Fulva, capite thoraceque flavo-albi*
tatis, abdomine albido vittis duabus fulvis ornato, palpis
nis pedibusque fulvis, alis limpidis.

Body pale tawny, beset with a few black bristles: face w
its sides without bristles, except at the base; epistoma not
nent: three yellowish white stripes on the crown of the head

: sucker and palpi pale tawny, the former clothed with tawny s, the latter beset with black bristles: feelers pale tawny, much ter than the face; third joint short, nearly round; bristle black, : chest adorned with two broad yellowish white stripes; its s and the breast pale yellow: abdomen elliptical, hardly longer the chest, whitish, with the exception of two stripes: legs ıy, thinly beset with black bristles; claws black: wings colour- ; wing-ribs tawny; veins black, tawny towards the base; lower s-vein straight, perpendicular, parted by much more than twice ength from the middle cross-vein, and by more than thrice its th from the tip of the wing; poisers yellow. Length of the 1¾ line; of the wings 3½ lines.

Stockholm. Presented by the Entomological Club.

ORTALIS, *Fallen.*

ALIS crassipennis, *Fall. Ortal.* 18, 2. *Meig. Dipt.* v. 273, 1, *pl.* 46, *f.* 23. *Zett. Dipt. Scand.* v. 2153, 2. (Group Melieria, *Desv. Essai Myod.* 715). Musca crassipennis, *Fabr. Ent. Syst.* iv. 357, 185. Scatophaga crassipennis, *Fabr. Syst. Antl.* 209, 26. Melieria gangrænosa, *Desv. Essai Myod.* 716, 1. Ceroxys crassipennis, *Macq. Hist. Nat. Dipt.* ii. 438, 3.
England.
France.

ALIS omissa, *Meig. Dipt.* v. 274, 2. Ceroxys omissa, *Macq. Hist. Nat. Dipt.* ii. 438, 4.
England. Presented by J. C. Dale, Esq.
——— ?

ALIS centralis, *Meig. Dipt.* vi. 380, 24. *Zett. Dipt. Scand.* v. 2155, 4. Tephritis centralis, *Fabr. Syst. Antl.* 319, 14. Ortalis Friesii, *Fall. Ortal. Suppl.* 2, 14, 34.
Aix-la-Chapelle. Presented by F. Walker, Esq.

Group Meckelia, *Desv. Essai Myod.* 714.

Group Myodina, *Desv. Essai Myod.* 727.

ALIS urticæ, *Fall. Ortal.* 17, 1, *Meig. Dipt.* v. 275, 4, *pl.* 46. *f.* 19. *Zett. Ins. Lapp.* 747, 1. *Dipt. Scand.* v. 2152, 1, Musca urticæ, *Linn. Faun. Suec.* 1875. *Fabr. Sp. Ins.* ii. 453, 98. *Ent. Syst.* iv. 357, 184. *Gmel. Ed. Syst. Nat.* v.

2857, 123. Scatophaga urticæ, *Fabr. Syst. Antl.* 2
Myodina urticæ, *Desv. Essai. Myod.* 728, 1. Ceroxys
Macq. Hist. Nat. Dipt. ii. 438, 2.
a. England.
b. France.

Ortalis ornata, *Meig. Dipt.* v. 277, 8, *pl.* 46, *f.* 25. *Macq.*
Nat. Dipt. ii. 434, 1. Oscinis elegans, *Latr. Dict.*
Nat. Meckelia elegans, *Desv. Essai Myod.* 715, 1.
villia formosa? *Desv. Essai Myod.* 713, 1. B. jucunda
Essai Myod. 714, 2.
a. France.

Ortalis Cerasi, *Meig. Dipt.* v. 282, 19, *pl.* 46, *f.* 26.
Hist. Nat. Dipt. ii. 436, 10. *Zett. Dipt. Scand.* v. 2
Musca cerasi, *Linn. Syst. Nat.* ii. 998. *Faun. Suec.*
Gmel. Ed. Syst. Nat. i. 5, 2858, 124. *Fabr. Sp. Ins.* i
99. *Ent. Syst.* iv. 358, 188. *Deg. Ins.* vi. 25, 19. *St*
ii. 263. *Turt.* iii. 621. M. frondescentiæ? *Linn.*
Suec. 1881. Tephritis cerasi, *Fabr. Syst. Antl.* 320, 17.
Gen. Crust. iv. 355. *Kirby and Sp. Intr. Ent.* i. 19
mali, *Fabr. Syst. Antl*, 320, 18. T. morio, *Fabr. Syst*
322, 27. Trupanea cerasi, *Schrank, Faun. Boic.* iii.
Ortalis uliginosa, *Fall. Ortal.* 19, 4. *Zett. Ins. Lapp.* 74
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Ortalis paludum, *Fall. Ortal.* 20, 7. *Meig. Dipt.* v. 2
Zett. Ins. Lapp. 747, 4. *Dipt. Scand.* v. 2161, 8.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Group Heramya, *Desv. Essai Myod.* 709.
Group Myoris, *Desv. Essai Myod.* 711.
Group Myennis, *Desv. Essai Myod.* 717.
Group Strauzia, *Desv. Essai Myod.* 718.
Group Vidalia, *Desv. Essai Myod.* 719.
Group Delphinia, *Desv. Essai Myod.* 719.
Group Myrmecomya, *Desv. Essai Myod.* 721.
Group? Polystodes, *Desv. Essai Myod.* 722.

ALIS syngenesiæ, *Meig. Dipt.* v. 283, 20, *pl.* 46, *f.* 29. (Group Rivellia, *Desv. Essai Myod.* 729.) *Zett. Dipt. Scand.* v. 2158, 6. Musca syngenesiæ, *Fabr. Sp. Ins.* ii. 454, 101. *Ent. Syst.* iv. 359, 192. *Gmel. Ed. Syst. Nat.* i. 5, 2858, 249. M. urticæ, *Schrank, Ins. Austr.* 476, 969. *Faun. Boic.* iii. 2460. Tephritis syngenesiæ, *Fabr. Syst. Antl.* 321, 23. *Latr. Gen. Crust.* iv. 355. Ortalis juncorum, *Fall. Ortal.* 19, 5. Rivellia herbarum, *Desv. Essai Myod.* 729, 1. Herina syngenesiæ, *Macq. Hist. Nat. Dipt.* ii. 433, 7.
ngland.

Group Herina, *Desv. Essai Myod.* 724.

Group Richardia, *Desv. Essai Myod.* 728.

Group Boisduvalia, *Desv. Essai Myod.* 730.

Group Clidonia, *Desv. Essai Myod.* 732.

Group Setellia, *Desv. Essai Myod.* 732.

Group Chlorophora, *Desv. Essai Myod.* 733.

ALIS Mentissa, n. s., mas. *Æneo-viridis, capite ferrugineo, palpis fulvis, antennis ferrugineis, pedibus viridi-æneis, tarsis ferrugineis, alis limpidis fusco quadrimaculatis.*

Body coppery-green: head and chest clothed with whitish s: head ferruginous, covered in front with white bloom; face hy; epistoma slightly prominent: eyes red; foremost part flat, posed of larger facets than those elsewhere: sucker pitchy, ied with tawny hairs; palpi tawny, beset with black bristles: ers ferruginous, as long as the face; third joint tapering from base to the tip, full four times the length of the second; bristle k, bare, a little longer than the third joint: chest beset with k bristles: abdomen oval, thickly cross-wrinkled, hardly longer the chest: legs coppery-green, clothed with short black hairs; es, trochanters, and feet ferruginous; claws and tips of feet k; foot-cushions tawny: wings colourless, with four dark wn marks on the fore border, the first of them is a stripe along -fourth of the length from the base of the wing; the second and d are bands which do not reach the hind border; the fourth n almost round spot near the tip; wing-ribs and veins black; der veins tawny at the base; third longitudinal vein slightly ved near its junction with the middle cross-vein, which is rather

oblique; lower cross-vein very slightly curved inward; scales mentary; poisers yellow. Length of the body 2 lines; wings 4 lines.

a. West Australia. From Mr. Clifton's collection.

ORTALIS Massyla, n. s., fem. *Viridis, capite ferrugineo, abd segmento 5º purpureo apice fulvo, palpis ferrugineis, a pedibusque nigris, tarsis fulvis, alis albis fusco trifasciatis.*

Body metallic-green, slender, clothed with short black head and chest beset with black bristles: head ferruginous and along the borders of the eyes; epistoma ferruginous, prom eyes red; fore part slightly convex; its facets a little large those elsewhere: sucker black, clothed with tawny hairs; pa ruginous, beset with black bristles: feelers black, much short the face; third joint conical, ferruginous at the base, much than the second; bristle bare, very slender, more than thr length of the third joint: abdomen long-obconical, much than the chest, tapering, flat, and with a rim on each side t the tip, which is tawny; fifth segment dark purple: legs clothed with short black hairs; knees ferruginous; feet and shanks dull tawny: wings white, with three dark brown band first extends nearly to the hind border, and joins the side middle cross-vein; the second reaches the hind border and e the lower cross-vein; it is darkest on the fore border, an unites with the third, which widens along the fore border an pies the whole of the tip of the wing; wing-ribs, veins, and tawny; veins pitchy in the brown parts of the wings; lowe vein nearly straight. Length of the body $1\frac{3}{4}$—2 lines; of th 3—4 lines.

a. North America. Presented by the Entomological Club.

ORTALIS Otroeda, n. s., mas. *Cyaneo-viridis, palpis nigris, nigro-cyaneis, tibiis piceis, tarsis fulvis, alis limpidis fus drimaculatis.*

Body bluish green, metallic, clothed with short black eyes red; fore part flat, composed of larger facets than tho where: sucker and palpi black, clothed with short black hai domen obconical, hardly longer than the chest: legs bluish clothed with short black hairs; knees ferruginous; shanks feet dark tawny, with black tips: wings colourless, adorne four brown marks along the fore border; the first proceed short space along the fore border, and descends oblique

lisk, the second is less oblique than the first, descends further the disk of the wing, and includes the lower cross-vein; the h almost joins the third, and extends along the fore border to ip of the wing; wing-ribs and veins black; poisers pitchy. th of the body $1\frac{3}{4}$ line; of the wings 3 lines.

orth America. Presented by the Entomological Club.

ALIS quadrifasciata. Trypeta 4-fasciata, *Harris, Cat. Ins. Massach.* Fem. *Cyaneo-viridis, capite supra piceo, palpis nigris, antennis piceis, pedibus nigro-viridibus, tibiis piceis, tarsis fulvis, alis limpidis fusco quadrifasciatis.*

Body metallic bluish green, clothed with short black hairs: and chest beset with a few black bristles: head pitchy between yelets and feelers, ferruginous on each side of the face; epia very prominent: eyes red; fore part flat, its facets much r than those elsewhere: sucker pitchy, clothed with tawny ; palpi black, beset with black bristles: feelers pitchy, as long e face, ferruginous at the base and beneath; third joint taperrom the base to the tip, near four times the length of the se- ; bristle downy, twice the length of the third joint: abdomen y spindle-shaped, thickly cross-wrinkled, a little longer than hest: legs greenish black; knees ferruginous; shanks pitchy; tawny, with black tips; foot-cushions tawny: wings colourless, four dark brown marks along the fore border; the first pro- along the fore border for almost one-third of the length, and descends obliquely into the disk; the second is less oblique slightly curved, and extends nearer to the lower border, and in- s the middle cross-vein; the third is upright, extends to the border, and includes the lower cross-vein; the fourth is a e, which proceeds from the third along the fore border to a litelow the tip of the wing; wing-ribs black; hinder veins tawny e base; third longitudinal vein slightly curved near its junction the middle cross-vein, which is rather oblique; lower cross- straight; scales rudimentary; poisers pitchy. Length of the $2\frac{1}{4}$ lines; of the wings 4 lines.

orth America. Presented by the Entomological Club.

ALIS? Arima, n. s., fem. *Cyanea, capite fulvo, thorace æneoviridi, palpis antennisque fulvis, pedibus piceis, tarsis fulvis, alis fuscis maculis quatuor limpidis, marginibus posticis cinereis fusco maculatis.*

Body blue, shining, thinly clothed with black hairs: head and t beset with a few black bristles: head tawny, very prominent

in front; a broad pitchy stripe between the eyelets and the epis which is not prominent; sides of the face without bristles: red, convex; all the facets small: sucker pitchy, clothed with t hairs; palpi tawny, beset with black bristles: feelers dark t about half the length of the face; third joint conical, downy, tle longer than the second; bristle black, about twice the leng the third joint, feathered from the base to the tip with hairs o derate length: chest brassy green: abdomen nearly obconic little longer than the chest: legs pitchy, rather stout, clothed short black hairs; feet tawny, with pitchy tips; claws black: cushions pale tawny: wings dark brown, pale gray along the border towards the base; the brown colour passes into the gr means of several more or less distinct pale brown spots; the part is adorned with four colourless marks, the first of these is triangular, and a little beyond one-third of the length of th border, where the wing is almost black; the second is sl curved, and extends quite across the wing or a little beyo lower cross-vein; the third is triagular, and extends from th border half-way across the wing; the fourth occupies the lowe of the tip; wing-ribs and veins black; lower cross-vein wit very slight curves, the lower outward, the upper inward; the between the two cross-veins is full twice the length of the cross-vein; poisers pitchy. Length of the body 2—2¼ lines; wings 3½—4 lines.

a. ——— ?

Ortalis Isara, n. s., mas. *Nigro-cyanea, palpis antennis pe que piceis, tarsis fulvis, alis limpidis vitta costali inte fasciisque duabus fuscis.*

Body black: head and chest beset with a few black br face broad, its sides without bristles; epistoma hardly promi peristoma large, its sides dark ferruginous: eyes dark red part nearly flat, its facets larger than those elsewhere: sucke palpi pitchy; sucker clothed with tawny hairs: feelers pitc long as the face; third joint slightly concave above, a little c beneath, pointed and somewhat curved upward at the tip, four times the length of the second joint; bristle black, d slender, rather less than twice the length of the third joint: and abdomen dark blue: abdomen elliptical, shagreened, longer than the chest, clothed with pitchy hairs; oviduct pi legs pitchy, clothed with a few short black hairs, beset wit few black bristles; feet dark tawny: wings colourless, adorne a dark brown stripe, which extends from the base along ha length of the wing, and then descends towards the hind b

nd this a brown, slightly curved band extends across the wing, ides the lower cross-vein, and on the fore border joins a brown e, which passes to the tip of the wing; wing-ribs and veins k; veins mostly tawny in the colourless parts of the wing; r cross-vein curved in the lower part of its course, nearly per- licular, distant by much more than its length from the middle -vein, which is oblique; longitudinal veins straight; poisers y. Length of the body 1¼ line; of the wings 3 lines.

orth Bengal. From Miss Campbell's collection.

ALIS? diopsides, *Barnston's MSS.*, fem. *Nigra, obscura, capite antico fulvo, palpis antennis pedibusque piceo-ferrugineis, alis subcinereis ad costam fusco bimaculatis.*

Body dull black, clothed with very short black hairs: head t with a few black bristles, tawny in front and beneath, where it vered with white bloom; sides of the face without bristles; oma slightly prominent: eyes dark red; facets of the fore part le larger than those elsewhere: sucker and palpi ferruginous, y pitchy; sucker clothed with tawny hairs; palpi beset with k bristles: feelers ferruginous, shorter than the face; third joint y above, nearly round, longer than the second joint; bristle k, bare, slender, much more than twice the length of the third : abdomen spindle-shaped, much longer than the chest; last ent flat: legs pitchy, mostly ferruginous beneath, clothed with short black hairs; claws black: wings slightly gray, with a ow pitchy band at half the length of the fore border, on which, the tip, there is a small brown spot; wing-ribs tawny; veins k, tawny at the base; longitudinal veins straight; lower cross- straight, slightly oblique, nearly twice its length distant from middle cross-vein; poisers pale tawny. Length of the body 2 ; of the wings 3½ lines.

t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ALIS? costalis, n. s., fem. *Nigra, abdomine nigro-æneo, pedibus nigris, alis limpidis ad costam fusco bimaculatis, stigmate nigro.*

Head wanting: chest dull black, beset with a very few black tles: abdomen sessile, brassy black, shining, slightly spindle- ed, much longer but hardly broader than the chest: legs black, hed with very short black hairs: wings colourless, with a small vn spot just above the tip, and another at the base of the fore ler, where the vein is thickened; a black band along the mid-

dle of the fore border; wing-ribs and veins black; third longit nal vein straight, with the exception of a very slight angle a junction with the lower cross-vein, which has two very slight cu the upper inward, the lower outward Length of the body 1¼ l of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presente G. Barnston, Esq.

Group Seioptera, *Kirby and Spence*.

Ortalis vibrans, *Falt. Ortal.* 20, 6. *Meig. Dipt.* v. 284, *Macq. Hist. Nat. Dipt.* ii. 437, 11. *Zett. Ins. Lapp.* 74 *Dipt. Scand.* v. 2159, 7. Musca vibrans, *Linn. Syst. Na* 996. *Faun. Suec.* 1867. *Gmel. Ed. Syst. Nat.* i. 2855, *Fabr. Sp. Ins.* ii. 450, 81. *Ent. Syst.* iv. 350, 158. *Deg.* vi. 17, 11, *pl.* 1, *f.* 19, 20. *Schrank, Ins. Austr.* 955. *F Boic.* iii. 2459. *Rossi. Faun. Etrusc.* 479, 1531. *Geoff.* ii. 494, 4. *Harr. Ex.* 121, *pl.* 35, *f.* 39. *Berk. Syn.* i. *Stew. El.* ii. 262. *Turt.* iii. 618. *Don. Hist. Brit. In* 54, *pl.* 346, *f.* 3, xiii. 71, *pl.* 467, *f.* 1. Tephritis vib *Fabr. Syst. Antl.* 324, 39. *Latr. Gen. Crust.* iv. 355. S tera vibrans, *Kirby and Spence, Intr. Ent.* ii. 305, 359.

a. England.
b. France.

Group Toxoneura, *Macquart*.

Ortalis lamed. Musca lamed, *Schrank*. M. pulchella, *Ent. Syst.* iv. 352. *Rossi, Faun. Etrusc. Ed. Illiger.* ii. 1528. Dacus pulchellus, *Fabr. Syst. Antl.* 275, 10. S phaga lobata, *Fabr. Syst. Antl.* 208, 22. Palloptera pulch *Fallen.* Ortalis pulchella, *Meig. Dipt.* vi. 379, 23. Toxon fasciata, *Macq. Hist. Nat. Dipt.* ii. 404, 1, *pl.* 18, *f.* 12.

a. England.
b. France.

Sepsis, *Fallen*.

Group I. Micropeza, *Desv. Essai Myod.* 740.

Sepsis cynipsea, *Fall. Ortal.* 23, 5. *Meig. Dipt.* v. 287, 1. *Regn. Anim. Nouv. Ed.* v. 532. *Macq. Hist. Nat. Dipt.* ii. 1. *Walk. Ent. Mag.* i. 247, 1. *Zett. Ins. Lapp.* 74 Musca cynipsea, *Linn. Syst. Nat.* ii. 997, 113. *Faun.* 1868. *Gmel. Ed. Syst. Nat.* v. 2855, 113. *Scop. Ent.* 947. *Fabr. Sp. Ins.* ii. 451, 82. *Mant. Ins.* ii. 351, *Ent. Syst.* iv. 351, 160. *Deg. Ins.* vi. 33, 18, 12. *Schr*

Faun. Boic. iii. 2461. *Ins. Austr.* 956. *Stew, El.* 262. *Turt.* iii. 618. Lesser Musca vibrans, *Harr. Ex.* 122, *pl.* 35, *f.* 43. Tephritis cynipsea, *Fabr. Syst. Antl.* 324, 41. Micropeza cynipsea, *Latr. Gen. Crust.* iv. 355. *Reg. Anim.* iii. 546. M. fulvida, *Desv. Essai Myod.* 742, 3.
England. Presented by F. Walker, Esq.
England.
France.
Haparanda. Presented by F. Walker, Esq.
Alten. Presented by F. Walker, Esq.

PSIS fulgens, *Hoffsmansegg, Meig. Dipt.* v. 287, 2. *Macq. Hist. Nat. Dipt.* ii. 477, 2. *Walk. Ent. Mag.* i. 248, 2. Micropeza fulgida? *Desv. Essai Myod.* 742, 3.
England. Presented by F. Walker, Esq.
Upsal. Presented by F. Walker, Esq.

PSIS hilaris, *Meig. Dipt.* v. 288, 3, *Macq. Hist. Nat. Dipt.* ii. 477, 3. *Walk. Ent. Mag.* i. 248, 3. Micropeza vivida, var.? *Desv. Essai Myod.* 742, 4.
England.

PSIS flavimana, *Meig. Dipt.* v. 288, 4. *Walk. Ent. Mag.* i. 248, 4.
South of France. Presented by F. Walker, Esq.

PSIS maculipes, *Walk. Ent. Mag.* i. 248, 5.
England. Presented by F. Walker, Esq.
England.

PSIS concinna, *Walk. Ent. Mag.* i. 249, 6.
England. Presented by F. Walker, Esq.

PSIS ruficornis, *Meig. Dipt.* v. 288, 5. *Macq. Hist. Nat. Dipt.* ii. 477, 4. *Walk. Ent. Mag.* i. 249, 7.
England. Presented by F. Walker, Esq.

PSIS nigripes, *Meig. Dipt.* v. 289, 7. *Macq. Hist. Nat. Dipt.* ii. 478, 5. *Walk. Ent. Mag.* i. 249, 8. Micropeza nitida, *Desv. Essai Myod.* 743, 5.
England. Presented by F. Walker, Esq.

PSIS violacea, *Meig. Dipt.* v. 289, 9. *Macq. Hist. Nat. Dipt.* ii. 478, 7. *Walk. Ent. Mag.* i. 249, 9. *Zett. Ins. Lapp.* 749, 6. Micropeza pygmæa, var.? *Desv. Essai Myod.* 743, 7.
England.

SEPSIS punctum, *Fall. Ortal.* 22, 4. *Meig. Dipt.* v. 289, 10. *Macq. Hist. Nat. Dipt.* ii. 478, 8. *Walk. Ent. Mag.* i. 250, 10. *Zett. Ins. Lapp.* 749, 5. Musca punctum, *Fabr. Ent. Syst.* iv. 351, 159. *Coq. Illust.* 109, *pl.* 24, *f.* 14. Musca, &c., *Schell. Gen. Mouch. pl.* 4, *f.* 2. M. stigma, *Panz. Faun. Germ.* 60, 21. *Encyl. Meth. pl.* 394, *f.* 26. Tephritis punctum, *Fabr. Syst. Antl.* 324, 40. *Encyl. Meth. pl.* 396, *f.* 229. Micropeza punctum, *Latr. Gen. Crust.* iv. 355. *Nouv. Dict. d'Hist. Nat.* xx. 520. M. cynipsea, *Desv. Essai Myod.* 741, 1.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. ——— ? From Mr. Children's collection.

SEPSIS linearis, n. s., mas. *Nigra, thorace cyaneo-viridi, palpis nigris, antennis pedibusque fulvis, tarsis piceis, alis sublimpidis apice fusco maculatis.*

Body black, nearly linear, thinly clothed with short black hairs: head and chest beset with a few black bristles: eyes dark red; face part flat, its facets much larger than those elsewhere: sucker and palpi black: feelers tawny, shorter than the face; third joint conical, full twice the length of the second; bristle black, bare, very slender, twice the length of the third joint: chest bluish green: abdomen sessile, slightly compressed, longer and a little narrower than the chest: legs tawny, clothed with short paler hairs; feet pitchy: claws black: wings nearly colourless; a brown spot on each tip: wing-ribs and veins pitchy; fourth longitudinal vein slightly curved upward towards the tip; lower cross-vein straight; poisers tawny. Length of the body 2 lines; of the wings 3 lines.

a. Philippine Islands. From Mr. Wood's collection.

SEPSIS vicaria, n. s. *Æneo-viridis, capite nigro anticè subtusque fulvo, abdomine purpureo-cupreo, antennis pedibusque fulvis, tibiis posticis basi piceis, alis limpidis macula apicali fusca.*

Body shining: head and chest beset with a very few bristles: head black, tawny in front and beneath; epistoma not prominent: eyes dark red, convex; all the facets small: feelers tawny, shorter than the face; third joint conical, more than twice the length of the second; bristle black, very slender, more than twice the length of the third joint: chest brassy-green: abdomen coppery, petiolated, much longer than the chest: disk of the back tinged with purple: legs pale tawny, slender; tips of the feet darker; claws black; hind shanks pitchy for more than half the length from the base: wings

ourless; each with a small brown spot at the tip of the first lon-
udinal vein, and at some distance above the tip of the wing;
og-ribs tawny; veins black; fourth longitudinal vein very slightly
ved upward after its junction with the lower cross-vein, which is
aight; the space between the lower cross-vein and the middle
ss-vein is less than that between the lower cross-vein and the tip
the fourth longitudinal vein; poisers yellow. Length of the
ly 1¼ line; of the wings 2 lines.

Florida. Presented by E. Doubleday, Esq.

psis referens, n. s., mas. et fem. *Nigra, capite antico ferrugineo, abdomine purpureo, antennis nigris, pedibus fulvis, tibiis posticis subarcuatis, alis limpidis macula apicali fusca.*

Head and chest black, beset with very few black bristles: head
ruginous in front and beneath: eyes red, convex; all the facets
y small: feelers black, shorter than the face; third joint conical,
re than twice the length of the second; bristle bare, very slender,
re than twice the length of the third joint: abdomen purple, pe-
ated, a little longer than the chest: legs tawny, clothed with
y short black hairs, beset with very few black bristles; tips of
feet pitchy; claws black; fore thighs armed with black spines;
der shanks very slightly curved: wings colourless, with a small
wn spot a little above the tip; wing-ribs tawny; veins black,
ny at the base; poisers black, with tawny knobs; fourth longitu-
al vein very slightly curved upward along the whole length after
junction with the lower cross-vein, which is straight, and very
ch nearer to the tip of the fourth longitudinal vein than to the
idle cross-vein. Length of the body 1½ line; of the wings 2½
s.

North America. Presented by the Entomological Club.

psis nodosa, n. s., fem. *Æneo-viridis, capite pectoreque piceis, thoracis lateribus ferrugineo vittatis, pedibus fulvis, femoribus posticis piceis, alis sublimpidis macula apicali fusca.*

Head pitchy: eyes black, convex; all the facets very small:
d and chest beset with a few black bristles: chest dark green;
road ferruginous stripe on each side: breast pitchy: abdomen
ssy green, pointed at the tip, much longer than the chest; first
ment forming a long obclavate petiole, mostly pitchy; second
ment long, very convex beneath; third shorter; fourth and fol-
ing very short: legs pale tawny, slender, clothed with very short
ny hairs; hind thighs pitchy, tawny at the base: hind shanks
chy at the base; claws black: wings nearly colourless; a brown

spot on each tip; wing-ribs and veins black; fourth longitudin vein slightly waving after its junction with the middle cross-ve not angular where it joins the lower cross-vein, which is straigh poisers pitchy, with yellow knobs. Length of the body 2¼ lines; the wings 3 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group II. Nemopoda, *Desv. Essai Myod.* 743.

Sepsis cylindrica, *Meig. Dipt.* v. 290, 12. *Zett. Ins. Lapp.* 748. Musca cylindrica, *Fabr. Ent. Syst.* iv. 336, 104. Musca, *Geoff. Ins.* ii. 536, 84. Calobata cylindrica, *Fabr. Syst.* 263, 11. Sepsis nitidula, *Fall. Ortal.* 21, 2. Nemopoda tris, *Desv. Essai Myod.* 744, 1. N. cylindrica, *Walk.* *Mag.* i. 251, 1. *Macq. Hist. Nat. Dipt.* ii. 480, 1.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Upsal. Presented by F. Walker, Esq.
e. ——? From Mr. Children's collection.

Sepsis nigricornis, *Meig. Dipt.* v. 291, 13. Nemopoda nigric *Macq. Hist. Nat. Dipt.* ii. 481, 2. *Walk. Ent. Mag.* i. 252.
a. England. Presented by F. Walker, Esq.

Sepsis stercoraria. Nemopoda stercoraria, *Desv. Essai My* 2512. *Walk. Ent. Mag.* i. 251, 2. *Macq. Hist. Nat. Dipt.* 482, 7.
a. England. Presented by F. Walker, Esq.

Sepsis tarsalis. Nemopoda tarsalis, *Walk. Ent. Mag.* i. 252, 4.
a. England. Presented by F. Walker, Esq.

Sepsis rufa, n. s., mas. *Fulva, abdomine ferrugineo piceoque ta palpis antennis pedibusque fulvis, alis limpidis basi subfusc*

Body tawny, beset with a very few black bristles; sides of face with a few bristles at the base; epistoma not prominent: e red; fore part flat, its facets much larger than those elsewhe sucker and palpi tawny, the former clothed with paler hairs: fe tawny, much shorter than the face; third joint conical, much l ger than the second; bristle black, slender, bare, full thrice length of the third joint: abdomen shining, much longer than chest; first segment linear, long, forming a stout petiole, fer nous towards the hinder border; second and following segme

ether spindle-shaped; hind border of the second and fore border the third pitchy: legs tawny, thinly clothed with short black rs; claws black; middle of fore thighs armed with spines be-th: wings colourless, pale brown at the base; wing-ribs and ns black; lower cross-vein very slightly curved inward; poisers ny. Length of the body 2 lines; of the wings 3 lines.

——? From Mr. Children's collection.

sis depilis, n. s., fem. *Nigro-cyanea, obscura, antennis piceis, palpis pedibusque nigris, alis limpidis.*

Body bluish black, rather dull: head and chest beset with a y few black bristles: head above rather flat and slightly fur-ed; epistoma not prominent: eyes pitchy, convex; facets of the part rather larger than those elsewhere: sucker and palpi ck: feelers pitchy, shorter than the face; third joint tapering n the base to the tip, about thrice the length of the second; tle black: abdomen spindle-shaped, narrower but hardly longer n the chest: legs black, rather long, clothed with very short black s: wings colourless; wing-ribs and veins pitchy; second and d longitudinal veins slightly converging along the whole length heir course beyond the angular junction of the third with the lower s-vein. Length of the body 2½ lines; of the wings 4 lines.

Sierra Leone. Presented by the Rev. D. F. Morgan.

sis tricolor, n. s., fem. *Nigra, capite nigro-cyaneo, abdomine rufo apice piceo, palpis antennis pedibusque piceis, femoribus fulvis, femoribus intermediis basi anticisque nigris, alis limpidis.*

Head and chest armed with a few black bristles: head dark , flat above: eyes pitchy, convex; all the facets small: sucker palpi pitchy: feelers pitchy, shorter than the face; third joint -conical, a little broader than the second and more than twice ength; bristle bare, very slender, full twice the length of the d joint: chest black, dull: abdomen red, shining, pitchy to-ds the tip, a little narrower and much longer than the chest, dle-shaped, with a slight protuberance above at the base: legs , pitchy, clothed with very short black hairs; hips and thighs ny; fore thighs and tips of the middle thighs black: wings co-less; wing-ribs and veins black; second and third longitudinal s very slightly converging along their whole length after the ular junction of the latter with the lower cross-vein, which has extremely slight curves, the lower outward, the upper inward; ers yellow, with pitchy knobs. Length of the body 3½ lines; e wings 5 lines.

Sierra Leone. Presented by the Rev. D. F. Morgan.

Group III. Enicopus, *Walk. Ent. Mag.* i. 253.

SEPSIS annulipes, *Meig. Dipt.* v. 292, 16, vii. 350, 6. *Curt. Br Ent.* 245. Nemopoda annulipes, *Macq. Hist. Nat. Dipt.* 482, 8. Enicopus annulipes, *Walk. Ent. Mag.* i. 253, 1.
a. England. Presented by F. Walker, Esq.

Group IV. Themira, *Desv. Essai Myod.* 745.

SEPSIS putris, *Fall. Ortal.* 21, 1. *Meig. Dipt.* v. 292, 15. *H Ent. Mag.* ii. 170. *Zett. Ins. Lapp.* 748, 1. Musca putr *Linn. Syst. Nat.* ii. 993. *Berk. Syn.* i. 165. *List. Goed.* 1 *Goed. Ins.* i. *pl.* 73. *Merian, Eur. Ins. pl.* 43, *f.* 83. *Fri Ins.* i. *pl.* 7. Musca, var. fimeti, *Linn. Faun. Suec.* 1850. putris, *Fabr. Sp. Ins.* ii. 445, 51. *Mant. Ins.* ii. 347, *Ent. Syst.* iv. 334, 92. *Gmel. Ed. Syst. Nat.* v. 2849, M. fimeti, *Schrank, Faun. Boic.* iii. 2471. Tephritis put *Fabr. Syst. Antl.* 323, 34. Sepsis putris, *Fall. Ortal.* 21, *Meig. Dipt.* v. 292, 15. Themira putris, *Walk. Ent. M* i. 254, 1. Cheligaster putris, *Macq. Hist. Nat. Dipt.* 479, 1.
a. England. Presented by F. Walker, Esq.
b. France.
c. Alten, Finmark. Presented by F. Walker, Esq.

SEPSIS pilosa. Themira pilosa, *Desv. Essai Myod.* 746, 1. *W Ent. Mag.* i. 254, 2. Sepsis superba, *Hal. Ent. Mag.* ii. 17
a. England. Presented by F. Walker, Esq.

SEPSIS minor, *Hal. Ent. Mag.* ii. 170. Themira minor, *Walk. E Mag.* i. 255, 3.
a. England. Presented by F. Walker, Esq.

Group V. Saltella, *Desv. Essai Myod.* 746.

SEPSIS scutellaris. Piophila scutellaris, *Fall. Heteromyz.* 10 *Meig. Dipt.* v. 397, 7. *Loew. Ent. Zeit. Stett.* ii. 188. S tella nigripes, *Desv. Essai Myod.* 747, 2. *Walk. Ent. Me* 255, 1. *Macq. Hist. Nat. Dipt.* ii. 665, 1. *Meig. Dipt.* 352, 1. S. sellata, *Hal. Ann. Nat. Hist.* 1839, 186. Ne poda ferruginea, *Desv. Essai Myod.* 744, 1. *Macq. Hist. N Dipt.* ii. 482, 9. *Meig. Dipt.* vii. 352, 13. N. scutell

acq. *Hist. Nat. Dipt.* ii. 481, 3. *Meig. Dipt.* vii. 351, 8.
. ruficoxa, *Macq. Hist. Nat. Dipt.* ii. 481, 4. *Meig. Dipt.*
. 351, 9. Pandora scutellaris, *Hal. Ent. Mag.* i. 169. P.
silis, *Hal. Ent. Mag.* i. 169. Anisophysa scutellaris, *Macq.*
ist. Nat. Dipt. ii. 544, 1.
land. Presented by F. Walker, Esq.

LAUXANIA, *Latreille.*

Group I. *Zett. Ins. Lapp.* 755.

NIA cylindricornis, *Fabr. Syst. Antl.* 212, 1. *Panz. Faun.*
rm. 105, 11. *Fall. Ortal.* 27, 1. *Meig. Dipt.* v. 296, 1.
acq. Hist. Nat. Dipt. ii. 506, 1. *Zett. Ins. Lapp.* 755, 1.
rufitarsis, *Latr. Hist. Nat. Cr.* xiv. 390. Musca chrysop-
a, *Schrank, Faun. Boic.* iii. 2470.
land.
— ? From Mr. Children's collection.
gia. From Mr. Abbot's collection.
York. Presented by E. Doubleday, Esq.
a Scotia. From Lieut. Redman's collection.

NIA Elisæ, *Wied. Meig. Dipt.* v. 297, 2. *Macq. Hist. Nat.*
pt. ii. 508, 2.
land. Presented by F. Walker, Esq.
a Scotia. From Lieut. Redman's collection.

NIA ænea, *Fall. Ortal.* 28, 3. *Meig. Dipt.* v. 297, 3. *Macq.*
ist. Nat. Dipt. ii. 508, 4. *Zett. Ins. Lapp.* 955, 2.
land.
— ? From Mr. Children's collection.

Group II. *Zett. Ins. Lapp.* 755.

NIA lupulina, *Fall. Ortal.* 29, 5. *Meig. Dipt.* v. 301, 11.
acq. Hist. Nat. Dipt. ii. 510, 12. *Zett. Ins. Lapp.* 755, 3.
usca lupulina, *Fabr. Syst. Antl.* 298.
land.
nce.
York. Presented by E. Doubleday, Esq.
nton Falls. Presented by E. Doubleday, Esq.
a Scotia. From Lieut. Redman's collection.

LONCHÆA, *Fallen.*

LONCHÆA nigra, *Meig. Dipt.* v. 305, 2. *Macq. Hist. Nat. Di* 512, 2.
a. England. Presented by F. Walker, Esq.

LONCHÆA tarsata, *Fall. Ortal.* 26, 3. *Meig. Dipt.* v. 305, 4, *p* *f.* 32. *Macq. Hist. Nat. Dipt.* ii. 512, 4. *Zett. Ins.* 754, 5.
a. England.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presente G. Barnston, Esq.

LONCHÆA vaginalis, *Fall. Ortal.* 26, 2. *Meig. Dipt.* v. 30 *Macq. Hist. Nat. Dipt.* ii. 513, 6. *Zett. Ins. Lapp.* 753,
a. England. Presented by F. Walker, Esq.
b. England.

LONCHÆA cærulea, n. s., mas. et fem. *Cyanea, palpis nigris,* *nis ferrugineis supra et apice nigris, pedibus nigris, tarsis* *alis limpidis.*

Body bright blue, shining, clothed with black hairs: hea chest beset with black bristles: head black; sides of the face out bristles; epistoma slightly prominent: eyes bright red part nearly flat, its facets a little larger than those elsewhere: pitchy, clothed with tawny hairs; palpi black, beset with bristles: feelers ferruginous, as long as the face, with a black along the upper side; tips black; third joint full six tim length of the second, slightly decreasing in depth from the b the tip, which is rounded: abdomen nearly elliptical, broad hardly longer than the chest: oviduct of the female forming der tube, which is more than half the length of the abdomen black, clothed with short black hairs; feet tawny, with blac foot-cushions yellow: wings colourless; wing-ribs and vein tawny, the latter darker towards the tips; lower cross-vein straight; poisers tawny, with pitchy knobs. Length of the $2\frac{1}{4}$ lines; of the wings 5 lines.

a. Georgia. From Mr. Abbot's collection.

TRYPETA, *Meigen.*

Group I. Ensina, *Desv. Essai Myod.* 751.

Vote.—Many more groups may be formed of the exotic species
s genus, but these are here merely placed next to the European
s to which they seem to be most allied.

ETA Sonchi, *Meig. Dipt.* v. 345, 50. *Loew, Germ. Zeit. Ent.*
. 426, 79, *pl.* 2, *f.* 71. *Boie, Ent. Zeit. Stett.* viii. 318, 25.
Iusca Sonchi, *Linn. Syst. Nat.* ii. 998. *Gmel. Ed. Syst. Nat.*
. 2857, 121. Tephritis Sonchi, *Fall. Ortal.* 14, 23. *Zett.*
ns. Lapp. 746, 10. Trypeta obsoleta, *Wied. Meig. Dipt.* v.
49, 60. Tephritis Asteris, *Haliday, Ann. Nat. Hist.* 1839,
86, var.? Ensina Sonchi, *Macq. Hist. Nat. Dipt.* ii. 474, 4.
Valk. Ent. Mag. iii. 60, 1, *pl.* 1, *f.* 1. E. chrysanthemi,
Desv. Essai Myod. 752, 1. E. herbarum, *Desv. Essai Myod.*
52, 2. E. pratensis, *Desv. Essai Myod.* 752, 3. E. Linariæ,
Desv. Essai Myod. 753, 4. E. Scorzoneræ, *Desv. Essai Myod.*
53, 5. E. Doronici, *Desv. Essai Myod.* 753, 6.
gland. Presented by F. Walker, Esq.
gland.
nce.
——? From Mr. Children's collection.

Group II. Stylia, *Desv. Essai Myod.* 754.

Group III. Oxyna, *Desv. Essai Myod.* 755.

TA parietina, *Meig. Dipt.* v. 334, 33, *pl.* 50, *f.* 7. *Loew,*
Germ. Zeit. Ent. v. 366, 35. *Boie, Ent. Zeit. Stett.* vii. 328,
7. *Wissmann, Ent. Zeit. Stett.* ix. 1848, 80, xii. Musca pa-
etina, *Linn. Syst. Nat.* ii. 996, 107. *Faun. Suec.* 458, 1863.
Gmel. Ed. Syst. Nat. i. 5, 2854, 107. *Fabr. Sp. Ins.* ii. 450,
9. *Ent. Syst.* iv. 350, 154. Tephritis pantherina, *Fall.*
rtal. 10, 14. Oxyna cinerea, *Desv. Essai Myod.* 755, 1.
nsina parietina, *Macq. Hist. Nat. Dipt.* ii. 473, 1. Acinia
arietina, *Walk. Ent. Mag.* iii. 76, 2, *pl.* 1, *f.* 21.
gland.

TRYPETA Æsia, n. s., fem. *Fusca, capite fulvo, abdominis nigro, palpis antennis pedibusque fulvis, alis fuscis maculis triginta ornatis.*

Body brown, thinly clothed with tawny hairs: head and beset with a few black bristles: head tawny: eyes brassy, with reddish purple: sucker, palpi, and feelers tawny: abd obconical, a little longer than the chest, hardly tapering, blac wards the tip: legs tawny, clothed with short tawny hairs; black: wings dark brown, each adorned with about thirty spots, these are various in size and shape, mostly round, frequent along the border than on the disk; wing-ribs tawny; black, tawny towards the base; cross-veins straight, the between them nearly equal in length to the lower cross-vein; tawny. Length of the body 1¼ line; of the wings 2 lines.
a. St. James's Isle, Galapagos. Presented by C. Darwin, Es

TRYPETA Viana, n. s., fem. *Fulva, thoracis lateribus piceo ma tis, abdomine nigro trimaculato, palpis antennis pedibusqu vis, alis fuscis maculis limpidis fulvisque ornatis basi lim*

Body tawny, clothed with tawny hairs; head and chest with some long black bristles: head pale tawny; sides of th without bristles; epistoma not prominent: eyes dark red; for nearly flat, its facets a little larger than those elsewhere: pitchy, clothed with tawny hairs; palpi tawny, beset with bristles: feelers pale tawny, shorter than the face; third joint cal, more than twice the length of the second; bristle black, sl clothed with hairs of moderate length, tawny at the base, mor twice the length of the third joint: chest adorned on each sid an interrupted pitchy stripe, or rather with two pitchy sp which the hinder is interrupted by a slender tawny stripe; scut pale tawny; hind scutcheon black: abdomen elliptical, a shorter and broader than the chest, having a large black spot back near the base, and two smaller black spots on each sid the tip: legs pale tawny, clothed with tawny hairs; tips shanks armed with black spines; claws black; fore thighs beneath with black bristles: wings brown, colourless at the fore borders adorned with one tawny and two colourless mark first is small and very near the bristle of the fore border, the at a short distance from the first is larger and triangular, the is smaller, irregularly triangular and near the tip; disk of the adorned with three small colourless spots; two large irregula on the hind border advancing into the disk of the wing: win tawny; veins pitchy, tawny on the colourless parts of the

cross-vein straight, separated by its length from the middle ein, slightly oblique; poisers tawny. Length of the body es; of the wings 4½ lines.

——?

Group IV. Oxyphora, *Desv. Essai Myod.* 757.

TA Westermanni, *Meig. Dipt.* v. 333, 32, *pl.* 1, *f.* 6. *Loew, Term. Zeit. Ent.* v. 365, 34. Musca vinulus? *Harr. Ex.* 117, . 34, *f.* 21. Oxyphora Cardui, *Desv. Essai Myod.* 757, 2. . Westermanni, *Walk. Ent. Mag.* iii. 61, 1, *pl.* 1, *f.* 2. Tehritis Westermanni, *Macq. Hist. Nat. Dipt.* ii. 461, 2.

——?

TA Donysa, n. s. *Fusca, capite fulvo, thoracis lateribus abomineque ferrugineis, hujus lateribus piceo vittatis, palpis tennis pedibusque fulvis, alis fuscis disco maculis fulvis marineque maculis limpidis ornatis.*

ead and chest beset with a few black bristles: head tawny, ; face large, concave, its sides without bristles; epistoma prot; peristoma pale yellow: eyes pitchy, slightly convex; all cets of moderate size: sucker and palpi tawny: feelers bright , not more than half the length of the face; third joint deep, y concave above, equally convex beneath, truncated at the tip, more than twice the length of the second; bristle black, tawd stout towards the base: chest and breast dark brown, clothed hort tawny hairs; sides ferruginous: abdomen ferruginous, pitchy along each side, a little narrower but hardly longer he chest; hind borders of the segments tawny: legs tawny, d with short pale hairs; claws black; foot-cushions pale : wings dark brown, rather broad, with some dark tawny in the disk, adorned with twelve or fourteen irregular colourots, which are disposed along the border, with the exception ound dot near the middle cross-vein; wing-ribs and veins feous; all the longitudinal veins slightly waving; lower crossong, rather near the hind border, straight, with the exception upper end, which is very slightly curved outward; middle vein very slightly curved outward, separated by much more its length from the lower cross-vein; poisers ferruginous. h of the body 3½ lines; of the wings 8 lines.

——?

Group V. Terellia, *Desv. Essai Myod.* 758.

TRYPETA serratulæ, *Meig. Dipt.* v. 346, 53. *Loew, Germ. Zei* *Ent.* v. 419, 75, *pl.* 2, *f.* 70. Musca serratulæ, *Linn. Sy* *Nat.* ii. 997, 118. *Faun. Suec.* 461, 1871. *Gmel. Ed. Sy* *Nat.* i. v. 2856, 118. *Fabr. Mant, Ins.* ii. 352. *Sp. Ins.* 453, 96. *Ent. Syst.* iv. 356, 182. *Turt.* iii. 620. Dacus se ratulæ, *Fabr. Syst. Antl.* 278, 27. Tephritis serratulæ, *Fa* *Ortal.* 14, 22. Trypeta pallens, *Wied. Meig. Dipt.* v. 347, 54 *pl.* 50, *f.* 5. *Wied. Analect.* 54, 120. *Auss. Zweif.* ii. 502, 4 Terellia palpata, *Desv. Essai Myod.* 758, 1. T. luteola, *Des* *Essai Myod.* 759, 2. T. serratulæ, *Walk. Ent. Mag.* iii. 62, *pl.* 1, *f.* 3. *Macq. Hist. Nat. Dipt.* ii. 459, 1, var.? T. pallen *Macq. Hist. Nat. Dipt.* ii. 460, 2, var.? T. Abrotani, *Mac* *Hist. Nat. Dipt.* ii. 460, 5. T. longicauda, *Meig. Dipt.* v. 356, 80, var.? T. fuscicornis, *Loew, Germ. Zeit. Ent.* v. 42 76, var.? T. nigricoma, *Loew, Germ. Zeit. Ent.* v. 422, 77 *pl.* 2, *f.* 69. T. dentata, *Loew, Germ. Zeit. Ent.* v. 425, 78.

a. England.
b. France.
c. ———? From Mr. Children's collection.

TRYPETA florescentiæ, *Meig. Dipt.* v. 321, 16, *pl.* 48, *f.* 25. *Lo* *Germ. Zeit. Ent.* v. 338, 17, *pl.* 1, *f.* 15. *Boie, Ent. Ze* *Stett.* viii. 327, 11. Musca florescentiæ, *Linn. Faun. Su* 462, 1880. *Syst. Nat.* 999, 128. M. ruficauda, *Fabr. E* *Syst.* iv. 353, 169. Dacus ruficaudus, *Fabr. Syst. Antl.* 27 17. Tephritis florescentiæ, *Fall. Ortal.* 7, 9. *Macq. Hist. N* *Dipt.* ii. 468, 29. Terellia florescentiæ, *Walk. Ent. Mag.* 63, 3, *pl.* 1, *f.* 5.

a. England.
b. ———? From Mr. Children's collection.

TRYPETA Winthemi, var.? *Meig. Dipt.* v. 320, 14, *pl.* 48, *f.* 2 *Loew. Germ. Ent. Zeit.* v. 341, 18, *pl.* 1, *f.* 14. Tephr Winthemi? *Macq. Hist. Nat. Dipt.* ii. 468, 28.

a. ———?

TRYPETA colon, *Meig. Dipt.* v. 346, 52. *Loew, Germ. Ent. Zeit.* 416, 74, *pl.* 2, *f.* 65, 66. Tephritis Alciphron, *Newm. Fa* *Mag.* i. 505. Terellia Alciphron, *Walk. Ent. Mag.* iii. *pl.* 6 *f.* 4. Terellia nebulosa, *Macq. Hist. Nat. Dipt.* ii. 460, 3.

a. England.

PETA Wenigeri? *Meig. Dipt.* v. 345, 51, *pl.* 50, *f.* 4. Terellia Wenigeri? *Macq. Hist. Nat. Dipt.* ii. 460, 4.
Ukraine. Presented by Dr. Dowler.
——— ?

Group VI. Prionella, *Desv. Essai Myod.* 759.

Group VII. Forellia, *Desv. Essai Myod.* 760.

PETA Artemisiæ, *Meig. Dipt.* v. 314, 4, *pl.* 48, *f.* 20. *Loew, Germ. Zeit. Ent.* v. 319, 5, *pl.* 1, *f.* 4. T. continua? *Meig. Dipt.* v. 312, 1, *pl.* 48, *f.* 16. T. alternata? *Meig. Dipt.* v. 313, 2, *pl.* 48, *f.* 17. *Loew, Germ. Zeit. Ent.* v. 315, 1, *pl.* 1, *f.* 1. T. intermissa? *Meig. Dipt.* v. 313, 3, *pl.* 48, *f.* 22. T. Artemisiæ, *Meig. Dipt.* v. 314, 4, *pl.* 48, *f.* 20. T. Meigenii? *Loew, Germ. Zeit. Ent.* v. 316, 2, *pl.* 1, *f.* 2. Musca perelegand, *Harr. Ex.* 74, *pl.* 21, *f.* 5. M. Artemisiæ, *Fabr. Ent. Syst.* iv. 351, 162. Tephritis Artemisiæ, *Fabr. Syst. Antl.* 317, 5. T. apicalis? *Zett. Ins. Lapp.* 744, 2. *Macq. Hist. Nat. Dipt.* ii. 462, 3. T. alternata, *Fall. Ortal.* 5, 3. T. interrupta, *Fall. Ortal.* 5, 4. T. intermissa? *Macq. Hist. Nat. Dipt.* ii. 462. Forellia onopordi? *Desv. Essai Myod.* 761, 1. Acidia? Artemisiæ, *Walk. Ent. Mag.* iii. 84, 2, *pl.* 1, *f.* 32, 33.
——— ? From Mr. Children's collection.

PETA Zöe, *Wied. Meig. Dipt.* v. 315, 7, *pl.* 48, *f.* 14, 15. *Loew, Germ. Zeit. Ent.* v. 317, 3, *pl.* 1, *f.* 3. Tephritis Zöe, *Macq. Hist. Nat. Dipt.* ii. 463, 9. *Zett. Ins. Lapp.* 744, 2. Acidia? Zöe, *Walk. Ent. Mag.* iii. 84, 3, *pl.* 1, *f.* 34.
England.

Group IX. Acidia, *Desv. Essai Myod.* 720.

PETA cognata, *Wied. Meig. Dipt.* v. 315, 6, *pl.* 48, *f.* 19. *Loew, Germ. Zeit. Ent.* v. 320, 6, *pl.* 1, *f.* 5. *Boie, Ent. Stett.* viii. 1847, 326, 3, ix. 1848, 82, 5. Tephritis cognata, *Wied. Zool. Mag.* i. 76. *Macq. Hist. Nat. Dipt.* ii. 463, 7. T. lucida, *Fall. Suppl.* ii. 13. Acidia cognata, *Desv. Essai Myod.* 721, 2. *Walk. Ent. Mag.* iii. 83, 1, *pl.* 1, *f.* 31.
England.
——— ? From Mr. Children's collection.

TRYPETA Alcinoe, n. s., mas. *Fulva, abdomine nigro, palpis nis pedibusque fulvis, femoribus flavis, tarsis apice fusci fusco trifasciatis.*

Body tawny, smooth, shining, long and narrow, beset few black bristles: head yellow beneath, and having a pitch on the crown in front of the eyelets; sides of the face withou tles; epistoma not prominent: eyes red, convex; all the face small: sucker pale tawny, clothed with tawny hairs; palp tawny, beset with black bristles: feelers tawny, shorter th face; third joint conical, full twice the length of the second; tle black, feathered to the tip with very short hairs, more than the length of the third joint: abdomen black, spindle-shaped longer than the chest: legs tawny; thighs yellow; feet bro wards the tips; claws black: wings rather narrow, colo adorned with three brown bands; the first at one-third of the of the wing from the base becomes indistinct at a little bef fore border, and disappears in the disk of the wing; the sec little beyond, proceeds to the hind border, where it is joined third; the latter is very broad, and occupies one-third of th from the tip, it incloses a colourless spot on the hind border ribs and veins tawny, the latter pitchy in the brown parts wing; lower cross-vein slightly curved outward, parted b than its length from the middle cross-vein, by more than t length from the tip of the wing, and by less than half its from the hind border; poisers yellow. Length of the body of the wings $5\frac{1}{2}$ lines,

a. ——— ?

Group X.

TRYPETA cornigera, n. s., mas. *Fulva, capite flavo quadri thorace nigro trimaculato, palpis antennis pedibusque fla limpidis angustis fusco vittatis.*

Body tawny, slender, beset with a few black bristles yellow, armed above with four black horns; these are as l the head and somewhat widened towards the tips, which ar cated: face whitish, its sides without bristles; epistoma not nent: eyes red; fore part slightly convex, its facets larg those elsewhere: sucker tawny, clothed with yellow hairs; yellow, beset with a few black bristles: feelers yellow, short the face; third joint conical, very much longer than the s bristle slender, downy, black towards the tip, near thrice the of the third joint: disk of the chest slightly ferruginous;

re spot on the fore part near the neck, which is yellow: a small k spot on each side of the scutcheon: abdomen linear, narrower much longer than the chest, thinly clothed with short black : legs yellow, clothed with short black hairs; claws black: s colourless, long, narrow, adorned with a brown stripe, which nds from the base and occupies the whole of the tip, and forms curves in its junction with the colourless part along the hind er; there are some tawny intervals at the base and along the rless part of the fore border, which extends near three-fourths e length of the wing; it is nearly interrupted by two outward es of the brown part, and it has a small black spot by the black of the wing; wing-ribs tawny; veins black, tawny towards ase; lower cross-vein very slightly curved outward, rather less its length distant from the middle cross-vein, which is straight, endicular, and less than half the length of the lower cross-vein; tudinal veins very slightly waving; poisers yellow. Length e body 2½ lines; of the wings 6 lines.

orth America? Presented by the Entomological Club.

ETA cornifera, n. s., mas. *Fulva, capite flavo, quadricornuto, thorace nigro trimaculato, palpis antennis pedibusque flavis, alis limpidis angustis fulvo variis.*

Body tawny, slender, beset with a few black bristles: head yel- armed above with four black horns; these are as long as the and somewhat widened towards the tips, which are truncated: whitish, its sides without bristles; epistoma not prominent: red; fore part slightly convex, its facets larger than those else- e: sucker tawny, clothed with yellow hairs; palpi yellow, beset a few black bristles: feelers yellow, shorter than the face; joint conical, very much longer than the second: bristle slen- downy, black towards the tip, nearly thrice the length of the joint: disk of the chest slightly ferruginous; a black square on the fore part, near the neck, which is yellow; a small black on each side of the scutcheon: abdomen linear, narrower and longer than the chest, thinly clothed with short black hairs: yellow, clothed with short black hairs; claws black: wings co- ess, long, narrow, adorned (excepting the hind border) with y marks from the base to the tip; these have some slight nish intervals, include four oblong, colourless spots, and are ob- ly interrupted at three-fourths of the length; beyond this they a semicircular stripe, whose concave side fronts the hind bor- towards which it sends forth a very oblique branch; wing-ribs veins tawny; lower cross-vein hardly curved outward, rather than its length distant from the middle cross-vein, which is

slightly oblique, stout, and about half the length of the lower c
vein; longitudinal veins very slightly waving; poisers ye
Length of the body 2½ lines; of the wings 6 lines.

a. ——?

Group XI. Xyphosia, *Desv. Essai Myod.* 762.

TRYPETA Arnicæ, *Meig. Dipt.* v. 333, 31. Musca Arnicæ, *Syst. Nat.* ii. 997, 115. *Faun. Suec.* 1872. *Gmel. Ed. Nat.* i. 5, 2856, 119. *Fabr. Ent. Syst.* iv. 352, 166. *Sch Ins. Austr.* 959. *Aldrov. Ins.* 346, *pl.* 1, *f.* 5. *Scop. Carn.* 941. Musca flava, &c., *Geoff. Ins.* ii. 498, 12. M licaria, *Schrank*, *Ins. Austr.* 476, 968. *Gmel. Ed. Syst.* i. 5, 2863, 306. M. onopordinis? *Don. Ins.* ii. 67, p *Turt.* iii. 622. M. arcuata, *Fabr. Mant. Ins.* ii. 352, 105. *Ins.* ii. 451, 86. *Ent. Syst.* iv. 353, 170. *Gmel. Ed. Syst* v. 2856, 242. *Panz. Faun. Germ.* 98, 22. Trupanea sp cephala, *Schrank*, *Faun. Boic.* iii. 2515. Dacus arc *Fabr. Syst. Antl.* 277, 19. Tephritis Arnicæ, *Fabr. Syst.* 316, 1. *Latr. Gen. Crust.* iv. 355. *Dict. d'Hist. Nat.* 24 385. *Fall. Ortal.* 8, 10. *Macq. Hist. Nat. Dipt.* ii. 4 Xyphosia cirsiorum, *Desv. Essai Myod.* 762, 1. Forell nicæ, *Walk. Ent. Mag.* i. 64, 1, *pl.* 1, *f.* 6. Trypeta *Loew*, *Germ. Zeit. Ent.* v. 363, 33. *Boie*, *Ent. Stett.* vii 5, ix. 82, 6.

a. England.
b. France.
c. ——? From Mr. Children's collection.

Group XII. Sitaria, *Desv. Essai Myod.* 763.

Group XIII. Orellia, *Desv. Essai Myod.* 765.

TRYPETA Wiedemanni, *Meig. Dipt.* v. 320, 15, *pl.* 49, *f.* 2. *Germ. Zeit. Ent.* v. 342, 19, *pl.* 1, *f.* 16. Tephritis W manni, *Macq. Hist. Nat. Dipt.* ii. 466, 22. Orellia flav *Desv. Essai Myod.* 765, 1. O. Wiedemanni, *Walk. Ent.* iii. 66, 1, *pl.* 1, *f.* 7.

a. South of France. Presented by the Entomological Club.
b. ——?

Group XIV. Tephritis, *Latreille.*

PETA cornuta, *Meig. Dipt.* v. 318, 12, *pl.* 48, *f.* 2. *Loew, Germ. Zeit. Ent.* v. 338, 16. *Boie, Ent. Stett.* viii. 327, 10, ix. 81, 2. Musca cornuta, *Fabr. Ent. Syst.* iv. 357, 186. Scatophaga cornuta, *Fabr. Syst. Antl.* 209, 28. Tephritis cornuta, *Fall. Ortal.* 4, 1. *Curt. Brit. Ent.* vi. *pl.* 231. *Macq. Hist. Nat. Dipt.* ii. 468, 30. *Walk. Ent. Mag.* iii. 67, 1, *pl.* 1, *f.* 8.
ngland.
——? From Mr. Children's collection.

PETA Lappæ, *Meig. Dipt.* v. 318, 11. *Loew, Germ. Zeit. Ent.* v. 334, 14, *pl.* 1, *f.* 12? Musca Arctii, *Panz. Faun. Germ.* 22, 23. M. Lappæ? *Cederh. Prodr.* 319, *pl.* 3, K. Tephritis Arctii? *Desv. Essai Myod.* 767, 6. T. Lappæ, *Macq. Hist. Nat. Dipt.* ii. 467, 26. *Walk. Ent. Mag.* iii. 67, 2, *pl.* 1, *f.* 6. Tephritis octopunctata? *Macq. Hist. Nat. Dipt.* ii. 466, 23. Trypeta octopunctata? *Loew, Germ. Zeit. Ent.* v. 336, 15, *pl.* 1, *f.* 13.
England.
France.
——? Presented by the Entomological Club.
——? Presented by F. Walker, Esq.

PETA Tussilaginis, *Meig. Dipt.* v. 319, 13, *pl.* 48, *f.* 27. *Loew, Germ. Zeit. Ent.* v. 332, 13, *pl.* 1, *f.* 11. *Boie, Ent. Stett.* viii. 328, 26, ix. 82, 7. Musca Tussilaginis, *Fabr. Mant. Ins.* ii. 353, 122. *Sp. Ins.* ii. 454, 101. *Ent. Syst.* iv. 359, 193. *Gmel. Ed. Syst. Nat.* v. 2858, 250. Trupanea Acanthi, *Schrank, Faun. Boic.* iii. 2509. Dacus Tussilaginis, *Fabr. Syst. Antl.* 277, 24. Tephritis cylindrica? *Desv. Essai Myod.* 767, 4. T. impuncta, *Desv. E. M.* 767, 5. T. Arctii? *Desv. E. M.* 767, 6. T. Tussilaginis, *Walk. Ent. Mag.* iii. 68, 3, *pl.* 1, *f.* 10. *Macq. Hist. Nat. Dipt.* ii. 464, 13.
ngland.
rance.
——? From Mr. Children's collection.

PETA Arctii, *Meig. Dipt.* v. 317, 10, *pl.* 48, *f.* 28. *Loew, Germ. Zeit. Ent.* v. 330, 12, *pl.* 1, *f.* 10. Musca Arctii, *Deg. Ins.* vi. 21, 16, *pl.* 2, *f.* 6-14. M. punctata, *Schrank, Ins. Aust.* 963. Trupanea punctata, *Schrank, Faun. Boic.* iii. 2510. Tephritis solstitialis, *Panz. Faun. Germ.* 103, 22. T. Arctii, *Fall. Ortal.*

4, 2. T. Jaceæ, *Desv. Essai Myod.* 766, 1. T. dorsalis, *D*
E. M. 766, 2. *Macq. Hist. Nat. Dipt.* ii. 467, 27. T.
silla, *Desv. E. M.* 766, 3. T. cylindrica? *Desv. E. M.* 76
T. abdominalis, *Desv. E M.* 768, 7. T. Arctii, *Macq.*
Nat. Dipt. ii. 467, 25. *Walk. Ent. Mag.* iii. 68, 4, *pl.* 1, *f*
Trypeta punctata? *Loew, Germ. Zeit. Ent.* v. 328, 11.

a. England.
b. France.
c. South of France. Presented by the Entomological Club.

TRYPETA Acidusa, n. s., fem. *Fulva, thoracis lateribus flavo*
tis, abdomine fusco, terebra fulva apice nigra, palpis an
pedibusque fulvis, alis limpidis fulvo fuscoque vittatis e
ciatis.

Body tawny: head and chest beset with some long
bristles, which form a fringe on each side of the crown;
is also a cross row of short black bristles behind the eyes:
adorned with whitish bloom; sides of the face without bri
epistoma very prominent: eyes purple, flat and partly gre
front, where the facets are much larger than elsewhere: sucke
ruginous, jointed, bent, clothed with tawny hairs; palpi pale t
beset with black bristles: feelers tawny, as long as the face;
joint more than four times the length of the second, downy,
linear, but very slightly decreasing in depth towards the tip,
is rounded; bristle black, slender, downy, tawny at the base,
much more than twice the length of the third joint: chest c
with tawny down; a yellow stripe on each side: abdomen (e
ing the tube) pale brown, oval, clothed with black hairs, na
and shorter than the chest; tube tawny, with a black tip, cy
cal, longer, and much narrower than the fore part: legs t
clothed with short tawny hairs; claws black; fore thighs arm
neath with black bristles: wings colourless, varied with t
which proceeds from the base and divides into two forks; the
fork is darker than the other, and forms a regular stripe along
fore border for half the length of the wing; the lower fork is c
and joins the tip of the upper, with which by afterwards atta
the fore border of the wing it encloses a small colourless spa
little beyond this it sends forth two branches (united at the ba
the hind border, and is continued to the tip of the wing; t
parts partly bordered with pale brown; wing-ribs and veins ta
veins pitchy in the tawny parts of the wing; longitudinal
straight, with the exception of the third, which is slightly wa
and more deeply curved near the tip; lower cross-vein obl
nearly straight, divided by rather less than its length from

dle cross-vein, which is also nearly straight, but less oblique n the other; poisers tawny. Length of the body 5 lines; of the gs 8 lines.

amaica. From Mr. Gosse's collection.

PETA Ethalea, n. s., fem. *Fulva, terebra longa apice nigra, palpis antennis pedibusque fulvis, alis limpidis fulvo vittatis fuscoque variis.*

Body tawny: head and chest beset with some long black bris- of which there is a row on each side of the crown, there is also oss-fringe of short black bristles behind the eyes; epistoma very htly prominent; sides of the face without bristles: eyes red; part flat, its facets much larger than those elsewhere: sucker hy, clothed with tawny hairs; palpi tawny, beset with black tles: feelers tawny, as long as the face; third joint conical, nded at the tip, nearly thrice the length of the second; bristle k, downy, slender, tawny at the base, much more than twice the th of the third joint: chest and abdomen clothed with short ht tawny hairs: abdomen oval and shorter than the chest, with exception of the tube; the latter is nearly cylindrical, about as as the preceding part, and tapers slightly to the tip, which is k: legs tawny, clothed with short tawny hairs; claws black; thighs armed beneath with black bristles: wings colourless, ned with tawny marks, which form a fork from the base of the g; the upper branch is a regular stripe along the fore border for half of the length, and includes a ferruginous brand near ip; the lower branch is much curved and joins the tip of the er, and thence proceeds to the fore border, which it accom- es to the tip of the wing, leaving a triangular colourless space veen; parallel to it, and a short distance beneath is another an- r band; these tawny marks are clouded with brown, and there two dark brown dots near the base of the second longitudinal ; wing-ribs and veins tawny; longitudinal veins slightly wav- the third curved upward at the tip; lower cross-vein separated little less than its length from the middle cross-vein, and hav- two very indistinct curves, the upper outward, the lower inward; dle cross-vein straight, slightly oblique. Length of the body ines; of the wings 10 lines.

ara. Presented by Reginald Graham, Esq.

TRYPETA Ocresia, n. s., fem. *Fulva, terebra longa apice nigra, p pis piceis, antennis pedibusque fulvis, alis limpidis fulvo vitta*

Head and chest beset with long black bristles, which for row on each side of the crown, and there is a cross fringe of n black bristles behind the head: head tawny; sides of the face w out bristles; epistoma slightly prominent: eyes red; fore part its facets larger than those elsewhere; sucker pitchy, clothed tawny hairs: palpi pitchy, beset with black bristles: feelers ta as long as the face; third joint near thrice the length of the sec slightly decreasing in depth from the base to the tip, whic rounded; bristle black, slender, downy, tawny at the base, n more than twice the length of the third joint: chest and breast tawny: chest clothed with short black hairs: abdomen dark ta rather thickly clothed with short black hairs; the part befor tube is shorter and narrower than the chest, and slightly incr in breadth from the base to the tip; the tube is cylindrical, lo than the preceding part, and slightly decreases in breadth fro base to the tip, which is black: legs tawny, clothed with short b hairs; claws black; fore thighs thickly armed beneath with b bristles: wings colourless, adorned with tawny stripes, which ceed in two branches from the base of the wing; the upper for a colourless interval between it and the fore border, which it a wards joins, and shortly terminates at half the length of the w the lower fork is much curved, joins the tip of the first, and (including a triangular colourless spot) attains the fore border, proceeds to the tip of the wing; parallel below it there is a fo stripe, which is imperfect, nearly half of the tip fork being wan these tawny marks are slightly streaked with brown; wing tawny; veins tawny, pitchy in the tawny parts of the wing; l tudinal veins slightly waving; third longitudinal vein much cu upward near the tip; lower cross-vein nearly straight, slightly lique, separated by less than its length from the middle cross- which is straight and oblique; poisers tawny. Length of the $4\frac{1}{2}$ lines; of the wings 7 lines.

a. Jamaica. From Mr. Gosse's collection.

TRYPETA Hysia, n. s., fem. *Fusca, capite fulvo, abdomine n piceo basi fulvo apice fusco, palpis fulvis, antennis piceis fulvis, pedibus fuscis, alis limpidis fusco quadrivittatis.*

Body brown, clothed with short tawny hairs: head and beset with a few black bristles: head tawny, ferruginous bet the eyelets and the base of the feelers: eyes brassy; fore part its facets very much larger than those elsewhere: sucker fer

clothed with tawny hairs; palpi tawny, beset with black bris-
feelers pitchy, shorter than the face; first and second joints
; third joint linear, tawny at the base, obliquely truncated at
, near thrice the length of the second joint: abdomen pitchy
tawny at the base, pale brown and slightly tapering at the
ube yellow: legs brown, clothed with short black hairs; hips
; knees ferruginous; claws black: wings colourless, pale
along the fore border at the base, and adorned with two
, darker brown marks, which form four bands; the inner fork
first joins the brown at the base of the wing, and is shorter
ie outer, which includes the middle cross-vein; the inner fork
second extends all across the wing and includes the lower
ein, and the outer fork extends along the fore border to a
elow the tip of the wing; wing-ribs and veins black; lower
ein curved inward; poisers pitchy. Length of the body 2
of the wings 4 lines.

ra Leone. Presented by the Rev. D. F. Morgan.

Group XV. Urophora, *Desv. Essai Myod.* 769.

TA Cardui, *Meig. Dipt.* v. 326, 23, *pl.* 49, *f.* 9. *Loew, Germ.*
eit. Ent. v. 352, 27. *Boie, Ent. Zeit. Stett.* viii. 327, 15.
usca Cardui, *Linn. Syst. Nat.* ii. 998, 126. *Faun. Suec.* 1876,
063. *Deg. Ins.* vi. 49, 18. *Gmel. Ed. Syst. Nat.* i. 5.
58, 126. *Fabr. Mant. Ins.* ii. 353, 120. *Sp. Ins.* ii. 454,
00. *Ent. Syst.* iv. 359, 191. *Stew. El.* ii. 263. *Turt.* iii.
21. *Reaum. Ins.* iii. 2, *pl.* 45, *f.* 12-16. *Geoff. Ins.* vi. 11,
06, 8. *Goed. Ins.* i. 50. *List. Goed.* 313, 102, *pl.* 129.
lank. Ins. 189, *pl.* 16, *f.* T. *Leeuwenh.* 58, *f.* 10. Trupanea
ardui, *Schrank, Faun. Boic.* 2514. Tephritis Cardui, *Fabr.*
yst. Antl. 321, 21 *Latr. Gen. Crust.* iv. 355. *Règne. Anim.*
534. *Lam. Anim. Sans. Vertèb.* iii. 364, 2. Urophora car-
ii, *Macq. Hist. Nat. Dipt.* ii. 456, 6. *Walk. Ent. Mag.* iii.
, 1. U. Reaumurii, *Desv. Essai Myod.* 770, 4. U. liturata,
esv. E. M. 771, 5. U. Sonchi, *Desv. E. M.* 771, 6. U.
entaureæ, *Desv. E. M.* 772, 7. U. Dejeanii, *Desv. E. M.*
'2, 8. Scatophaga flexuosa, *Germ. Faun.* ii. 25.
land.
nce.

TRYPETA aprica, *Meig. Dipt.* v. 329, 26, *pl.* 49, *f.* 13. *Loew, G*
Zeit. Ent. v. 359, 30, *pl.* 1, *f.* 27. Musca solstitialis, *F*
Sp. Ins. ii. 454, 103. *Ent. Syst.* iv. 359, 195. Tephritis
stitialis, *Fabr. Syst. Antl.* 321, 25. T. aprica, *Fall. Ort*
7. Urophora pugionata, *Walk. Ent. Mag.* iii. 70, 2, *p*
f. 13.
a. England.
b. France.

TRYPETA solstitialis, *Meig. Dipt.* v. 329, 27, *pl.* 49, *f.* 10. *I*
Germ. Zeit. Ent. v. 355, 29, *pl.* 1, *f.* 25, 26. *Boie, Ent.*
viii. 327, 17, ix. 83, 10. Musca solstitialis, *Linn. Syst.*
ii. 999, 127. *Faun. Suec.* 1879. *Gmel. Ed. Syst. Nat.*
2858, 127. *Berk. Syn.* i. 165? *Stew. El.* ii. 263. *Tur*
621. *Cederh. Prodr.* 318, 1006. *Don.* ix. 15, *pl.* 294? *I*
Sp. Ins. ii. 454, 103. *Ent. Syst.* iv. 359, 195. Musca,
Geoff. Ins. ii. 499, 14. M. Dauci, *Fabr. Mant. Ins.* ii.
118. *Ent. Syst.* iv. 358, 187. *Gmel. Ed. Syst. Nat.* v.
248. M. stylata, *Fabr. Mant. Ins.* ii. 351, 104. *Sp. I*
451, 85. *Ent. Syst.* iv. 353, 168. *Gmel. Ed. Syst. N*
2855, 241. *Stew. El.* ii. 262. *Turt.* iii. 619. M. Jac
Panz. Faun. Germ. 97, 22. Trupanea Cirsii, *Schrank, I*
Boie. iii. 2505. T. Leucacanthi, *Schrank, Faun. Boi*
2507. Dacus stylatus, *Fabr. Syst. Antl.* 275, 13. D. l
tus, *Fabr. Syst. Antl.* 276, 15. D. Dauci, *Fabr. Syst.*
277, 22. Tephritis solstitialis, *Fabr. Syst. Antl.* 321, 25.
Gen. Crust. iv. 355. *Fall. Ortal.* 6, 5. *Lam. Anim.*
Verteb. iii. 364, 1. T. stylata, *Fabr. Syst. Antl.* 275, 13
Jacobeæ, *Fall. Ortal.* 66. T. aprica, *Fall. Ortal.* 7, 7.
peta stylata, *Meig. Dipt.* v. 327, 24, *pl.* 49, *f.* 12. T.
data, *Meig. Dipt.* v. 328, 25, *pl.* 49, *f.* 5. T. aprica,
Dipt. v. 329, 26, *pl.* 49, *f.* 13. T. pugionata, *Meig. D*
330, 28, *pl.* 49, *f.* 11. Urophora Cardui, *Desv. Essai*
769, 1. U. solstitialis, *Macq. Hist. Nat. Dipt.* ii. 4
Walk. Ent. Mag. iii. 71, 3, *pl.* 1, *f.* 14. U. cuspidata,
Hist. Nat. Dipt. ii. 457, 8.
a. England.
b. France.
c. South of France. Presented by the Entomological Club.
d. ———? From Mr. Children's collection.

TRYPETA fasciata, *Meig. Dipt.* v. 322, 18, *pl.* 49, *f.* 1.
Germ. Zeit. Ent. v. 345, 21, *pl.* 1, *f.* 18. Scatophaga fa
Fabr. Syst. Antl. 210, 29. Tephritis fasciata, *Macq.*
Nat. Dipt. ii. 466, 21.
a. Aix-la-chapelle. Presented by F. Walker, Esq.

ETA vespertina, *Loew. Germ. Zeit. Ent.* v. 387, 50, *pl.* 1, *f.* 36.
-la-chapelle. Presented by F. Walker, Esq.

ETA Cluana, n. s., mas. et fem. *Purpureo-cyanea cano tecta, apitis vertice ferrugineo, terebra basi ferruginea, palpis fulvis, ntennis ferrugineis nigro vittatis, pedibus purpureis, tarsis fulis, alis limpidis fusco quadrifasciatis.*

Body bright deep metallic blue, clothed with black hairs and s: head adorned with a white covering, thinly clothed be- with whitish hairs; crown deep ferruginous, except a white along each side; a large yellowish brown spot on each side en the eyes and the sides of the peristoma; sides of the face ut bristles; epistoma prominent; sucker pitchy, clothed with hairs; palpi tawny, broad, beset with black bristles: eyes ery oblong; fore part nearly flat, its facets a little larger than elsewhere; a black stripe along the face from the eyelets to pistoma: feelers ferruginous, much shorter than the face, d above with black; third joint nearly flat above, convex be- , slightly truncated at the tip, full thrice the length of the d; bristle black, downy, tawny at the base, very slender, full the length of the third joint: sides of the chest purplish: nen obconical, as long as or a little longer than the chest, ed with a hoary tinge on the hind border of each segment, fer- ous at the base of the tube, which is shorter than the preceding sutures tinged with purple: legs dark purple, clothed with black hairs; shanks almost black; feet bright tawny, with tips; foot-cushions tawny: wings colourless, adorned with road dark brown bands, the first near the base; second and joining each other and forming an angle beneath the fore bor- and including the cross-veins, second not quite reaching the border, the fourth along the fore border, extending a little be- the tip; wing-ribs pale yellow; veins black, yellow at the base ere and there in the colourless parts of the wing; lower cross- nearly perpendicular, very slightly curved outward, separated ore than its length from the middle cross-vein, which is ob- ; the other two cross-veins are beyond one-third of the length wing from its base; longitudinal veins very slightly waving; s white, small; poisers yellowish white Length of the body nes; of the wings 5½ lines.

ew Holland. Presented by the Entomological Club.
ew Holland.

TRYPETA Narytia, n. s., mas. *Fusca cinereo tecta, capite fulvo, domine piceo basi fulvo, palpis antennis pedibusque fulvis, limpidis fusco quadrifasciatis.*

Body brown, thinly clothed with short black hairs: head chest beset with very few black bristles: head tawny, adorned white bloom, which occupies only the sides of the crown; sid the face without bristles; epistoma not prominent: eyes red; part slightly convex, its facets a little larger than those elsew sucker black, clothed with tawny hairs; palpi tawny: feelers ta shorter than the face; third joint downy, nearly conical, n more than twice the length of the second, slightly angular o upper side of the tip; bristle black, bare, tawny and stout a base, rather more than twice the length of the third joint: covered with gray bloom: abdomen pitchy, shining, spindle-sh tawny at the base, much longer and a little narrower than the c legs tawny, clothed with short black hairs; claws black: wing lourless, adorned with four brown bands; the first, second fourth bands extend but little below the fore border; the thir tains the hind border and includes the two cross-veins: wing and veins tawny, the latter dark towards the tips and in the parts of the wings; the distance between the cross-veins is less the length of the middle cross-vein; poisers tawny. Length o body $1\frac{1}{4}$ lines; of the wings $2\frac{1}{3}$ lines.

a. Florida. Presented by E. Doubleday, Esq.

TRYPETA Avala, n. s., fem. *Nigra, capite antico ferrugineo, p fulvis, antennis ferrugineis, pedibus fulvis, tarsis piceis, limpidis fusco quadrifasciatis.*

Body black, thinly clothed with short black hairs: hea chest beset with a few black bristles: head ferruginous in f face hoary, its sides without bristles; epistoma prominent: s black, clothed with tawny hairs; palpi tawny, beset with black tles: feelers ferruginous, shorter than the face; third joint co about twice the length of the second; bristle black, slender, much more than thrice the length of the third joint: abdome conical, a little longer than the chest: legs tawny, clothed short black hairs; shanks pitchy; feet dark tawny; claws b wings colourless, adorned with four broad dark brown bands, w are divided by equal intervals, the first at the base, the four the tip; wing-ribs and veins pale tawny; veins black in the parts of the wing; the distance between the cross-veins is full the length of the lower cross-vein; the latter is very slightly cu outward; poisers yellow. Length of the body $1\frac{1}{4}$ line; of the w $2\frac{1}{2}$ lines.

a. Jamaica. From Mr. Gosse's collection.

TA Atilia, n. s., mas. *Nigra, capite antennisque fulvis, pedi-s flavis, femoribus nigris, alis fuscis basi maculisque quinque bis.*

ody black: head and chest thinly beset with black bristles: and front of the head tawny, sides of the face without bris-pistoma hardly prominent: eyes red; facets of the fore part han those elsewhere: sucker and palpi black? feelers tawny: en linear, clothed with short black hairs, a little longer and er than the chest: legs yellow, clothed with thort black hairs; black; fore thighs armed with black bristles; claws black: ery dark brown, white at the base, and adorned with five narks; one of these is triangular, and rests on the fore bor-he other four are more linear, and are open to the hind bor-he one nearest to the base of the wings is linear, the second ; the third and the fourth are widest along the border of g, and the fourth is longer than the third; wing-ribs tawny; lack, tawny in the white parts of the wing; longitudinal ery slightly waving; lower cross-vein a little oblique, slightly outward, distant by much less than its length from the mid-ss-vein, which is straight and perpendicular; poisers tawny. of the body 1¼ line; of the wings 3 lines.

na. Presented by G. T. Lay, Esq.

TA Tucia, n. s., fem. *Nigra, capite fulvo, palpis antennis pe-busque fulvis, femoribus nigris, alis limpidis fusco quadrifas-tis.*

ody black: head and chest beset with a few black bristles: wny; sides of the face without bristles; epistoma slightly ent: eyes red; facets of the fore part larger than those else-sucker tawny, clothed with tawny hairs; palpi tawny, beset ack bristles: feelers tawny, nearly as long as the face; third onical, less than twice the length of the second; bristle downy at the base, nearly twice the length of the third joint: en nearly oval, not longer than the chest; tube truncated-cal, full one fourth of the length of the preceding part: legs clothed with short black hairs; thighs black: wings colour-dorned with four broad brown bands, these are all united the fore border, where they include a triangular, colourless ving-ribs and veins tawny, the latter black in the brown parts wing; longitudinal veins straight; lower cross-vein straight, y oblique, separated by less than half its length from the cross-vein, which is straight and perpendicular; poisers Length of the body 1¼ line; of the wings 2½ lines.

th Bengal. From Miss Campbell's collection.

Group XVI. Aciura, *Desv. Essai Myod.* 773.

TRYPETA signata, *Meig. Dipt.* v. 332, 30, *pl.* 49, *f.* 4. *Ba*
Zeit. Stett. iii. 263. Musca cerasi? *Linn. Faun. Suec*
1061. *F. S. Ed.* 2, 1878. M. solstitialis, *Sulzer*, *I*
pl. 28, *f.* 11. Urophora liturata, *Desv. Essai Myod.*
U. signata, *Macq. Hist. Nat. Dipt.* ii. 458, 11. T
Hebe, *Newman*, *Ent. Mag.* i. 506. Sphenella signat
Ent. Mag. iii. 73, *pl.* 1, *f.* 17. Trypeta Cerasi, *Loew*
Zeit. Ent. v. 361, 32. *Boie*, *Ent. Zeit. Stett.* viii. 327
a. England.

Group XVII. Sphenella, *Desv. Essai Myod.* 773.

TRYPETA marginata, *Meig. Dipt.* v. 322, 17, *pl.* 49, *f.* 15.
Germ. Zeit. Ent. v. 344, 20, *pl.* 1, *f.* 17. *Boie*, *E*
Stett. viii. 327, 12. Tephritis marginata, *Fall. Ort*
17, *pl.* 49, *f.* 15. *Macq. Hist. Nat. Dipt.* ii. 465, 18.
nella Linariæ, *Desv. Essai Myod.* 774, 1. S. ma
Walk. Ent. Mag. iii. 73, *pl.* 1, *f.* 18.
a. England. Presented by F. Walker, Esq.

Group XVIII. Urellia, *Desv. Essai Myod.* 774.

TRYPETA stellata, *Loew*, *Germ. Zeit. Ent.* v. 411, 71. *B*
Zeit. Stett. viii. 328, 23. Musca stellata, *Fuessl. Verz*
Sulzer, *Ins.* 216, *pl.* 28, *f.* 12. M. radiata, *Fabr. E*
Suppl. 565, 157. Musca, &c., *Geoff. Ins.* ii. 494, 3.
nea radiata, *Schrank*, *Faun. Boic.* iii. 2525. Tephritis
Fabr. Syst. Antl. 319, 16. *Panz. Faun. Germ.* 103, 2
Ortal. 12, 19. T. terminata, *Fall. Ortal.* 13, 20. Try
diata, *Meig. Dipt.* v. 343, 48, *pl.* 50, *f.* 3. T. terminat
Dipt. v. 343, 47, *pl.* 50, *f.* 10. Urellia Calcitrapæ, *De*
Myod. 774, 1. U. Parisiensis, *Desv. Essai Myod.* 775
radiata, *Walk. Ent. Mag.* iii. 74, 1, *pl.* 1, *f.* 19. A
diata, *Macq. Hist. Nat. Dipt.* ii. 472, 11.
a. England.
b. France.
c. South of France. Presented by the Entomological Club
d. ——— ? From Mr. Children's collection.

A Mevarna, n. s., fem. *Fulva cinereo tecta, abdomine basi ereo apice nigro, palpis antennis pedibusque fulvis, alis albis ce fusco radiatis.*

ly dark tawny, thinly clothed with tawny hairs, covered with om, which has a tawny tinge on the breast: head tawny; the face without bristles; epistoma not prominent: eyes adorned with green and purple; fore part rather flat, its arger than those elsewhere: sucker tawny, clothed with airs; palpi tawny, beset with tawny bristles: feelers tawny, horter than the face; third joint nearly linear, downy, very rising on the upper side at the tip, which is truncated, full e length of the second joint; bristle black, tawny and rather the base, rather more than twice the length of the third bdomen obconical, tawny, gray at the base, black and taperards the tip, much longer than the chest: legs tawny, with short black hairs; claws black: wings white, adorned tip with a large brown spot, which is darkest along the fore and sends forth nine rays from its paler part; it includes inct white dots, and along the border are others incomplete; tawny tinge above the middle cross-vein, which is separated lower cross-vein by very little less than the length of the both are perpendicular; wing-ribs tawny; veins black, wards the base; poisers tawny. Length of the body 1½ the wings 3 lines.

la. Presented by E. Doubleday, Esq.

A Aira, n. s., fem. *Fulva cano tecta, abdominis apice nigro resso, palpis antennis pedibusque fulvis, alis longis angustis s apice fusco radiatis.*

ly tawny, thinly clothed with tawny hairs, thickly covered ry bloom, which is less prevalent on the head, and disapneath the mouth: head and chest beset with tawny bristles; the face without bristles; epistoma very slightly prominent: plish black; fore part rather flat, its facets larger than ewhere: sucker and palpi tawny, clothed with tawny hairs: awny, a little shorter than the face; third joint conical, bout twice the length of the second; bristle black, slender, bout twice the length of the third joint: abdomen about length of the chest, tapering from the base to the tip, is flat, black and shining: legs pale tawny, clothed with ck hairs; claws black: wings white, long and narrow; irregular, dark brown spot on the fore border, near the tip ing, sending forth three rays to the hind border and an ob-

lique branch to the fore border, including two round spot
more or less incompletely including four other spots ; wing-fl
veins pale yellow ; lower cross-vein straight, separated by mu
than its length from the middle cross-vein ; poisers pale
Length of the body 2 lines ; of the wings 2½ lines.

a. Congo. Presented by Sir J. Richardson.

Group XIX. Acinia, *Desv. Essai Myod.* 775.

TRYPETA corniculata, *Meig. Dipt.* v. 335, 34. *Loew, Ger*
Ent. v. 373, 39, *pl.* 1, *f.* 31. *Boie, Ent. Zeit. St*
327, 20. Tephritis corniculata, *Fall. Ortal.* 8, 11.
Act. Holm. 1819. Acinia Jaceæ, *Desv. Essai Myod.*
A. corniculata, *Macq. Hist. Nat. Dipt.* ii. 469, 1. *Wa*
Mag. iii. 75, 1, *pl.* 1, *f.* 20.

a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.

TRYPETA Bardanæ, *Meig. Dipt.* v. 349, 59. *Loew, Ger*
Ent. v. 376, 41, *pl.* 2, *f.* 37. T. confusa, *Meig. Dipt*
37, *pl.* 50, *f*, 9. Trupanea Bardanæ, *Schrank. Fau*
iii. 2524. Acinia plantaris ? *Desv. Essai Myod.* 778,
Heraclei, *Walk. Ent. Mag.* iii. 77, 4, *pl.* 1, *f.* 23. *Ma*
Nat. Dipt. ii. 470, 5 ?

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

TRYPETA Leontodontis, *Meig. Dipt.* v. 335, 35, *pl.* 50, *f.* 8.
Germ. Zeit. Ent. v. 380, 45, *pl.* 2, *f.* 39. *Boie, E*
Stett. viii. 327, 19. Musca Leontodontis, *Deg. Ins.* vi
pl. 2, *f.* 15—18. M. stellata, ? *Sulz. Ins.* 216, *pl.* 28,
Fuessly, Schweiz. Ins. 11, 25. *Panz. Faun. Germ.* 20,
parietina, *Fabr. Mant. Ins.* ii. 36, 96. *Sp. Ins.* ii.
Ent. Syst. iv. 350, 154. M. Scabiosæ, *Fabr. Ent.*
361, 200. Dacus Scabiosæ, *Fabr. Syst. Antl.* 278, 26
panea Leontodontis, *Schrank, Faun. Boic.* iii. 2519. T
Leontodontis, *Fall. Ortal.* 9, 13. *Zett. Ins. Lapp.*
Musca cinereus, *Harr. Ex.* 75, *pl.* 21, *f.* 11. Trype
fusa ? *Meig. Dipt.* v. 337, 36, *pl.* 50, *f.* 9. Acinia clari
Desv. Essai Myod. 778, 7. A. Leontodontis, *Macq. H*
Dipt. ii. 469, 2. *Walk. Ent. Mag.* iii. 77, 5, *pl.* 1, *f.* 2

a. England.
b. France.
c. South of France. Presented by the Entomological Club

ETA flavicauda, *Meig. Dipt.* v. 336, 36. Tephritis Pini, *Haliday, Ann. Nat. Hist.* 1839, 187, var.? T. Theora, *Newman, Ent. Mag.* i. 506. Acinia Pedicularіarum, *Desv. Essai Myod.* 776, 2. A. Jaceæ, *Desv. Essai Myod.* 776, 1. A. Arctii, *Desv. Essai Myod.* 777, 3. A. flavicauda, *Walk. Ent. Mag.* iii. 78, 7.
ngland. Presented by F. Walker, Esq.
ngland.
rance.
ix-la-Chapelle. Presented by F. Walker, Esq.
——? From Mr. Children's collection.

ETA Absinthii, *Meig. Dipt.* v. 340, 42, *pl.* 50, *f.* 12. *Loew, Germ. Zeit. Ent.* v. 394, 57, *pl.* 2, *f.* 47. *Boie, Ent. Zeit. Stett.* 1847, viii. 326, 6. Musca cinereus, *Harris, Ex.* 75, *pl.* 21, *f.* 11. Tephritis Absinthii, *Fabr. Syst. Antl.* 322, 30. T. punctella, *Fall. Ortal.* 13, 21. T. Alethe, *Newman, Ent. Mag.* i. 506. Acinia Millefolii? *Desv. Essai Myod.* 775, 5. A. Absinthii, *Macq. Hist. Nat. Dipt.* ii. 470, 6. *Walk. Ent. Mag.* iii. 79, 8, *pl.* 1, *f.* 27.
ngland. Presented by F. Walker, Esq.
ngland.
rance.
othenberg. Presented by the Entomological Club.

ETA elongatula, *Loew, Germ. Zeit. Ent.* v. 397, 60, *pl.* 2, *f.* 50. *Boie, Ent. Stett.* viii. 1847, 327, 7; ix. 1848, 81, 1.
x-la-Chapelle. Presented by F. Walker, Esq.

ETA Pœnia, n. s., fem. *Cana, capite fulvo, abdominis segmento ultimo depresso ferrugineo basi apiceque nigro, palpis antennis pedibusque fulvis, alis albis fasciis duabus guttatis diffusis obliquis ornatis.*

Body thinly clothed with short tawny hairs, adorned with a covering, which has a tawny hue on the disk of the chest: tawny, with a white covering in front and on each side of the : head and chest beset with a few stout black bristles; sides face without bristles; epistoma prominent: sucker and palpi , clothed with tawny hairs: eyes red; fore part flat, its facets than those elsewhere: feelers tawny, shorter than the face; joint nearly conical, hardly longer than the second, slightly on the upper side of the tip, which is obliquely truncated; black, bare, rather stout at the base, about thrice the length third joint: abdomen obconical, a little longer than the chest, egment flat, ferruginous, shining, black at the base and at the

tip: legs tawny, clothed with short black hairs; claws black: white, irregularly adorned with brown, which is chiefly dispo two oblique bands; these contain several dots; the first band most black on the fore border of the wing, and its dots ar tawny; the second is broader and more irregular than the wing-ribs yellow; veins tawny, yellow at the base, black t the tips; lower cross-vein very slightly curved outward; t cross-vein slightly oblique, separated from the lower by rathe than its length; poisers tawny. Length of the body 1¼ line; wings 3½ lines.

a. New Holland.

TRYPETA Cassara, n. s., fem. *Nigra, cinereo tecta, capite fulvo trivittato, palpis antennis pedibusque fulvis, alis fuscis limpidis confertim ornatis.*

Body black, tinged with gray, clothed with pale tawny head and chest beset with a few black bristles: head tawny, in front, adorned above with three stripes of whitish lustre; the face without bristles; epistoma prominent: eyes pitchy; of the fore part much larger than those elsewhere: sucker clothed with tawny hairs; palpi tawny, beset with black b feelers tawny, much shorter than the face; third joint conica tle longer than the second, its breadth more than half its bristle black, slender, downy, more than thrice the length third joint: abdomen nearly spindle-shaped, a little long narrower than the chest; tube black, about one-fourth of the of the preceding part: legs tawny, clothed with very shor hairs, beset with a few black bristles; claws black: wings adorned with numerous colourless spots of various size, mostl near forty in number; wing-ribs tawny; veins black, tawny base; lower cross-vein slightly curved outward, nearly perpen distant by rather less than its length from the middle cr which is upright and perpendicular; longitudinal veins straight. Length of the body 1½ line; of the wings 3 lines.

a. Peru. From Mr. Children's collection.

Group XX. Nœeta, *Desv. Essai Myod.* 778.

TRYPETA guttularis, *Meig. Dipt.* v. 341, 44. *Loew, Ger Ent.* v. 404, 66, *pl.* 2, *f.* 56. Tephritis capitata, *Fall* 14, 16, 17. Nœeta flavipes, *Desv. Essai Myod.* 778, brunicosa, *Desv. Essai Myod.* 779, 2. N. guttularis *Ent. Mag.* 80, 1, *pl.* 1, *f.* 28. Acinia guttularis, *Mac Nat. Dipt.* ii. 471, 8.

a. England. Presented by F. Walker, Esq.

PETA guttata, *Meig. Dipt.* v. 350, 61. *Loew, Germ. Zeit. Ent.* v. 400, 62, *pl.* 2, *f.* 52. Tephritis guttata, *Fall. Ortal.* Trypeta gemmata, *Wied. Meig. Dipt.* v. 339, 40. *Boie, Ent. Zeit. Stett.* viii. 317, 21, 328, 28.
ngland.
——— ? From Mr. Children's collection.
——— ? Presented by the Entomological Club.

PETA reticulata, *Loew, Germ. Zeit. Ent.* v. 401, 63, *pl.* 2, *f.* 53. *Boie, Ent. Stett.* viii. 327, 22; ix. 83, 9. Trupana reticulata, *Schrank. Faun. Boic.* iii. 2522. Tephritis pupillata, *Fall. Ortal.* 11, 17. *Zett. Ins. Lapp.* 745, 8. Trypeta pupillata, *Meig. Dipt.* v. 341, 45. Acinia lineata, *Macq. Hist. Nat. Dipt.* ii. 472, 12. A. pupillata, *Macq. Hist. Nat. Dipt.* ii. 471, 9.
ngland. Presented by F. Walker, Esq.
ix-la-Chapelle. Presented by F. Walker, Esq.
——— ? From Mr. Children's collection.

PETA irrorata, *Meig. Dipt.* v. 340, 43. *Loew, Germ. Zeit. Ent.* v. 402, 64, *pl.* 2, *f.* 54. Tephritis irrorata, *Fall. Ortal.* 11, 15. Acinia irrorata, *Macq. Hist. Nat. Dipt.* ii. 471, 7.
rance.

PETA Alvea, n. s., mas. *Fulva, capite antico flavo, abdomine fusco vitta dorsali fulva, palpis antennis pedibusque fulvis, alis latis fuscis maculis fulvis limpidisque ornatis.*

Body tawny: head beset with a few black bristles: head clothed a few pale yellow hairs, its fore part pale yellow; face whitish w, its sides without bristles; epistoma not prominent: eyes dark fore part rather flat, its facets larger than those elsewhere: er pale tawny, pitchy beneath, clothed with pale yellow hairs; pale tawny, beset with short black bristles: feelers pale tawny, t half the length of the face; third joint conical, hardly longer the second; bristle black, slender, tawny for one-third of the h from the base, much more than half the length of the third : chest and breast clothed with tawny down: abdomen dark n, linear, longer than the chest, having a narrow tawny stripe the back and a broad ferruginous stripe beneath: legs tawny, ed with short black hairs; claws black; foot-cushions yellow: s broad, dark brown, with many indistinct tawny dots, paler adorned with paler dots towards the hind border; a triangular irless spot on the fore border at two-thirds of the length; the eme tips are colourless, and there are two almost colourless s on the hind border; wing-ribs dark tawny; veins black; lon-

gitudinal veins very slightly waving; lower cross-vein curved outward, its lower end very near the hind border of th its upper end separated by a little less than its length fr middle cross-vein, which is straight and slightly oblique; tawny, with pitchy knobs. Length of the body 4 lines; wings 8 lines.

a. Australia. From the Rev. J. Wenham's collection.

TRYPETA Dertona, n. s., fem. *Fulva, abdominis segment ferrugineo apice nigro, palpis fulvis, antennis flavis, fulvis, alis fuscis disco maculis fulvis margineque mac pidis ornatis.*

Head and chest beset with a few tawny bristles: hea whitish about the eyelets; face broad, pale yellow, its sides bristles; epistoma not prominent: eyes coppery red, sligh vex; all the facets rather small: sucker tawny, clothed w tawny hairs; palpi tawny, beset with short black bristles yellow, very short, less than half the length of the face; th flat above, convex beneath, rounded at the tip, a little lon the second; bristle black, slender, downy, tawny and stou base, near four times the length of the third joint: chest an dark tawny, clothed with short paler hairs: abdomen tawn nical, tapering towards the tip, longer than the chest; last ferruginous, shining, with a black tip: legs tawny, cloth short black hairs; claws black: wings dark brown, adorne disk with many indistinct tawny dots, and also with some c dots along the border; a large triangular spot on the fore b two-thirds of the length of the wing incloses a brown spot; irregular colourless spot near the base on the hind borde ribs and veins pitchy, the latter pale tawny in the colourless the wings; all the longitudinal veins slightly waving; low vein near the hind border, slightly curved outward, sepa rather less than its length from the middle cross-vein, whic lique and very slightly curved outward; poisers tawny, with nous knobs. Length of the body 3¾ lines; of the wings 7 l

a. ——— ?

TRYPETA Voneda, n. s., fem. *Cervina, abdomine piceo, p tennis pedibusque fulvis, alis limpidis amplis sexdece latis basi fulvis.*

Body rather slender, thickly clothed with short tawn head and chest beset with long tawny bristles; a row of sho bristles behind the eyes; face whitish, with a few little blac on each side and towards the base; epistoma very slightl

: eyes red, convex; fore part rather flat, its facets much larger those elsewhere: sucker pale tawny, clothed with tawny hairs; pale tawny, beset with short black bristles: feelers tawny, t half the length of the face; third joint conical, downy, a little er than the second; bristle black, downy, slender, tawny at the about thrice the length of the third joint: chest and breast -colour: abdomen pitchy, spindle-shaped, shining, narrower the chest and nearly twice its length, clothed with short tawny : legs tawny; foot-cushions pale tawny; claws black: wings brown, tawny at the base, rather long and broad, adorned with t sixteen colourless spots of various size; four of those of the r size are on the fore border; a smaller one is near the tip of ring, which is also colourless; there are four along the hind er, and six in the disk of the wing; wing-ribs tawny: veins y, tawny at the base; lower cross-vein very slightly curved out-, separated by rather more than its length from the middle -vein, which is very slightly curved outward; longitudinal straight; poisers tawny. Length of the body 2¾ lines; of vings 5 lines.

ahia.

ETA Sarnia, n. s., fem. *Fulva, capite nigro maculato cyaneo ornato, thorace ferrugineo trivittato, scutello nigro bimaculato, terebra ferruginea nigro trivittata, palpis antennis pedibusque fulvis, femoribus nigro maculatis, alis fulvis, annulis radiis fasciisque variis.*

Body tawny, clothed with tawny hairs: head beset with long y and black bristles, its hind part fringed with short tawny and bristles; two deep black spots on the sides of the crown, hav- etween them at the base of the feelers a smaller black spot; adorned with a black spot on each side beneath; face tinged blue lustre, with a black spot on its disk; its sides without es; an oblique black spot adorned with blue reflections on each of the epistoma, which is slightly prominent: eyes brassy , spotted with red, slightly convex: facets of the fore part r than those elsewhere: sucker tawny, clothed with tawny ; palpi tawny, beset with black bristles: feelers tawny, a little er than the face; third joint conical, downy, slightly curved rd, rounded at the tip, longer than the second: chest adorned three pale ferruginous stripes, beset with a few black bristles; heon armed also with some tawny bristles, and having a black on each side: abdomen clothed with tawny hairs for more than hird of the length from the base, tapering from the base to the nuch longer than the chest, which it equals in breadth at the

base; its tube is ferruginous, shining, and composed of thr
ments; the first is obconical, pale ferruginous, with a bl
clothed with short black hairs, slightly furrowed on each sid
second is dark ferruginous, linear, black towards the tip, sha
beneath, very much shorter and narrower than the first; t
shorter and narrower than the second, and tapers to the tip
is black: legs tawny, clothed with short tawny hairs; tw
spots on each of the four hinder thighs; one black spot on e
thigh; fore thighs armed with stout tawny and black bristle
shanks beset with tawny bristles; claws black: wings tawn
towards the hind borders, adorned with numerous colourless
those on the disk are few, but well defined, and have brow
those towards the hind border are more numerous, but in
the disk has also two or three tawny circles brighter in col
the rest of the wing, and is adorned with paler rings, and
tip of each there is a black circle with a pale tawny rim;
border and the tip are colourless, the former between the
the point, where it is armed with two black bristles, has fou
brown bands; beyond these there is a small pale tawny spa
rupted by three brown bands, which are near together; be
latter the border of the wing is adorned with tawny rays,
ceed from the tawny disk, and have brown borders, those a
fore border are mostly triangular, at the tip they are narr
linear, on the hind border their form is again changed,
inclose colourless spots, these at first are elliptical, but becou
and more distinct near the base; wing-ribs and veins tawn
cross-vein brown, a little oblique, curved outward in the
part of the wing, separated by less than its length from th
cross-vein, which is nearly perpendicular, and very slightl
outward; poisers tawny. Length of the body 4½ lines
wings 7 lines.

a. ——— ?

TRYPETA Stella, n. s., mas. *Fulva, capite flavo, abdomi
basi fulvo, palpis flavis apice piceis, antennis pedibusq
alis fuscis quatuordecim maculatis basi et ad costam fu*

Body clothed with pale yellow hairs and bristles: h
yellow, with a row of long black bristles on each side of t
and a fringe of short pale yellow bristles across the hind pa
of the face without bristles; epistoma not prominent; p
large: eyes black; fore part slightly convex; all the face
sucker and palpi pale yellow; tips of the palpi pitchy: fe
tawny, much shorter than the face; third joint conical, a l
ger than the second; bristle black, slender, bare, about t

h of the third joint: chest dark tawny: breast pale tawny: men black, shining, linear, tawny at the base, longer and nar- r than the chest: legs tawny; claws black, very short; foot- ions very small: wings dark brown, somewhat tawny at the and along two-thirds of the fore border, adorned with fourteen rless spots, five of these are on the fore border, five on the hind er, one on the tip, and three on the disk; the first and second e fore border are triangular, the third descends into the disk, ourth and fifth are small and round; of those on the hind bor- he first, second and third are small and round, the fourth de- ls into the disk, the fifth is small and semicircular; the one at ip forms a slender band; in the disk are four, the first and the are longer than the second, which is between them, and near ind border; wing-ribs tawny; veins black, tawny at the base on the colourless parts; cross-veins tawny; lower cross-vein y perpendicular, hardly curved inward, distant about its length the middle cross-vein, which is slightly oblique and a little ed inward; poisers pale tawny. Length of the body 1¼ line; e wings 3 lines.

orth Bengal. From Miss Campbell's collection.

PETA Cyana, n. s., fem. *Cervina, capite fulvo albido trivittato, abdominis segmento ultimo ferrugineo depresso basi apiceque nigro, palpis flavis, antennis pedibusque fulvis, femoribus piceo cinctis, alis fuscis maculis limpidis confertim ornatis.*

Body dark fawn-colour, thinly clothed with pale tawny hairs: and chest beset with a few black bristles: head bright tawny, n behind; three whitish stripes between the eyelets and the of the feelers; sides of the face without bristles; epistoma pro- ent: eyes brassy red behind, purplish black in front; nearly all facets very small: sucker tawny, jointed, bent, clothed with y hairs; palpi yellow, beset with black bristles: feelers tawny, ttle shorter than the face; third joint conical, downy, a longer than the second; bristle black, downy, tawny at base, much more than twice the length of the third joint: ab- en obconical, much longer than the chest; last segment ferru- us, tapering, flat, shining, slightly curved upward, blackish at base and at the tip: legs tawny, clothed with short tawny hairs; itchy band round each thigh; claws black: wings brown, ned with numerous white dots of various size, those on the disk mostly very small; there are a few of the largest along the bor- ; between the white base of the wing and the brown part therein several large incomplete spots; wing-ribs and veins tawny; s darker towards the tips; cross-veins nearly perpendicular;

black; fore part rather flat, its facets a little larger than tho where; sides of the face without bristles; epistoma not pro sucker tawny, clothed with tawny hairs; palpi tawny, be black bristles: feelers tawny, a little shorter than the face joint conical, more than twice the length of the second; black, slender, full twice the length of the third joint, tawn base: chest and abdomen black: abdomen elliptical, a littl than the chest: legs tawny, clothed with short tawny hairs; the shanks armed with black spines; hind shanks at the b four hinder thighs pitchy; claws black: wings colourle brown for near half the length from the base, with the exce a short colourless stripe extending along the fore border base, of a narrow oblique white band beneath the above-m stripe, of a large triangular spot on the fore border near t the brown part, and of the hind border at the base; the c half is interrupted by a dark brown narrow band, which the wing, and is parallel to the brown part, and after attai border proceeds to the tip of the wing; the outer branch o gle which it forms has parallel to its inner side an obliq which does not extend above the second longitudinal vein ribs pitchy; veins black; lower cross-vein straight, nearly dicular, separated by less than its length from the middle cr which is longer than usual; poisers tawny. Length of the lines; of the wings 3 lines.

a. Philippine Islands. From Mr. Wood's collection.

TRYPETA Tritea, n. s., fem. *Fusca, capite fulvo, facie tho culis duabus scutelloque albis, palpis fulvis, antennis p dibus albis, tibiis posterioribus basi femoribusque fus limpidis basi fuscis apice fusco fasciatis.*

Head and chest beset with long black bristles: h tawny; front of the crown yellow; face white, with the e of two brown grooves for the reception of the feelers, the si out bristles; epistoma not prominent: eyes bronze red; rather flat, its facets larger than those elsewhere: sucke clothed with tawny hairs; palpi tawny, thickly beset wi bristles: feelers pitchy, shorter than the face; third joi conical towards the tip, more than twice the length of th joint; bristle black, slender, feathered with rather long hai at the base, more than twice the length of the third joint and breast dark brown, shining; a large white spot on eac the chest; scutcheon white: abdomen elliptical, dark brown, with short black hairs, not longer nor broader than the che white; thighs dark brown; four hinder shanks brown tow

under-side of thighs beset with black bristles; tips of shanks d with black spines; claws black: wings colourless, dark brown ne-fourth of the space from the base; from this brown a broad of the same hue incloses a large triangular spot, and proceeds uely to the fore border, which it accompanies to the tip of the ; above the latter it includes three or four very small colourless ; after an interval below this band two narrow pale brown bands an angle, which is nearly parallel to it; wing-ribs and veins , the latter pitchy in the brown parts of the wing; lower cross- rather oblique, very slightly curved inward, separated by very more than its length from the middle cross-vein, which is ht and slightly oblique; poisers dark tawny. Length of the 2 lines; of the wings 4½ lines.

erra Leone. Presented by the Rev. D. F. Morgan.

Group XXIV.

ETA Doclea, n. s., fem. *Picea, capite antico thoracis lateribus palpis antennis pedibusque ferrugineis, alis limpidis fusco fasciatis et vittatis.*

Body pitchy: head clothed with a few black bristles, ferruginous nt and along the borders of the eyes; sides of the face without es; epistoma slightly prominent; peristoma very large: eyes y; fore part reddish, nearly flat, its facets much larger than elsewhere: sucker ferruginous, clothed with tawny hairs; palpi ginous, beset with black bristles: feelers ferruginous, a little er than the face; third joint pitchy, downy, linear, conical at p, more than twice the length of the second joint: sides of the ferruginous: abdomen dull, finely shagreened, nearly elliptical, le longer than the chest, tapering towards the tip: legs ferrus, here and there slightly pitchy, clothed with short tawny ; claws black: wings colourless, adorned with a brown stripe, h extends from the base to just beyond the middle cross-vein, arly parallel to the fore border and at a short distance beneath rather narrow brown stripe commences on the fore border at hird of the length, and after a slight interruption extends to ip, where it is widened; just before its interruption it sends a short brown band towards the disk; wing-ribs tawny; veins , tawny at the base; longitudinal veins nearly straight; lower -vein much curved inward, separated by very much more than ength from the middle cross-vein, which is straight and very . Length of the body 2½ lines; of the wings 4½ lines.

ew Holland. Presented by the Entomological Club.

Group XXV. Euleia, *Walk. Ent. Mag.* iii. 81.

TRYPETA Lychnidis, *Loew, Germ. Zeit. Ent.* v. 347, 23, *pl*
Tephritis Lychnidis, *Fabr. Syst. Antl.* 322, 26. Mus
nidis, *Gmel. Ed. Syst. Nat.* v. 2858, 251. Tephritis C
Fall. Ortal. 16, 26. Trypeta discoidea, *Meig. Dipt.* v
pl. 49, *f.* 14. Aciura discoidea, *Walk. Ent. Mag.* iii.
1, *f.* 16. Urophora discoidea, *Macq. Hist. Nat.*
455, 1.

a. England.

TRYPETA Heraclei, *Loew, Germ. Zeit. Ent.* v. 323, 9, *p*
Musca Heraclei, *Linn. Faun. Suec.* 461, 1877. S
998, 125. *Gmel. Ed. Syst. Nat.* v. 2858, 125. M
pordinis, *Fabr. Sp. Ins.* ii. 455, 104. *Mant. Ins.* ii.
Ent. Syst. iv. 360, 198. *Gmel. Ed. Syst. Nat.* v.
Stew. El. ii. 263. M. Centaureæ, *Fabr. Ent. Sys*
199. M. cæsio, *Harr. Exp.* 75, *pl.* 21, *f.* 8. S
Onopordinis, *Fabr. Syst. Antl.* 210, 31. Tephritis C
Fabr. Syst. Antl. 322, 28. T. Onopordinis, *Fall. Ort*
Macq. Hist. Nat. Dipt. ii. 464, 11. Trypeta On
Meig. Dipt. v. 316? *pl.* 48, *f.* 24. T. Centaureæ, *M*
v. 324, 20, *pl.* 49, *f.* 8. Euleia Onopordinis, *Walk.*
iii. 82, 1, *pl.* 1, *f.* 30.

a. England.
b. France.
c. Sicily.
d. ——? From Mr. Children's collection.

TRYPETA flavescens, var.? *Meig. Dipt.* v. 316, 8, *pl.*
Wied. Zweif. ii. 492, 25. *Loew, Germ. Zeit. Ent.*
Musca flavescens, *Fabr. Ent. Syst. Suppl.* 565, 156,
cus marmoreus, *Fabr. Syst. Antl.* 276, 18. Tephri
cens, *Fabr. Syst. Antl.* 319, 15. *Macq. Hist. Na*
463, 10.

a. ——? From Mr. Children's collection.

TRYPETA Mutyca. *Fulva, abdomine rufo-fusco quadrivitt*
antennis pedibusque fulvis, alis fuscis decem-macu
fulvis.

Head and chest beset with some long black brist
clothed with very short black hairs: head tawny, armed b
eyes with a row of short black bristles; sides of the fac
bristles; epistoma not prominent: eyes black, composed
large facets, rather flat, especially in front, where the

est: sucker tawny, clothed with tawny hairs; palpi pale tawny, t with black bristles: feelers tawny, much shorter than the face; l joint conical, a little longer than the second; bristle black, slender, thinly feathered with long hairs, full thrice the length he third joint: chest and breast pale tawny: abdomen oval, ny, shining, a little shorter than the chest, adorned with four lish brown bands, three of which are interrupted in the middle; fourth is entire and occupies the tip: legs pale tawny, clothed short tawny hairs and with a few short black bristles: claws k: wings dark brown, tawny at the base, rather broad, adorned about ten colourless spots of various size; these join the fore ler or the hind border, with the exception of three round dots on disk; wing-ribs tawny; veins pitchy, tawny on the pale parts of wings; longitudinal veins nearly straight, first and third beset short black bristles; cross-veins straight, tawny, and having a row tawny stripe on each side; lower cross-vein very near the l border, separated by its length from the middle cross-vein; ers yellow. Length of the body 2¾ lines; of the wings 6 lines.

East India. From Archdeacon Clerk's collection.

PETA Aex, n. s., mas. *Fulva, piceo varia, abdomine nigro fulvo fasciato, palpis antennis pedibusque fulvis, femoribus anteriori-bus piceis, alis fuscis limpido maculatis, ad apices limpidis fuscoque vittatis.*

Body tawny, clothed with short black hairs, pitchy towards the of the chest and on the base of the scutcheon: head and chest et with some long black bristles, which form a row on each side he crown, and there is a cross fringe of short black bristles behind eyes; sides of the face without bristles; epistoma very slightly minent: eyes black; fore part flat, composed of much larger ets than those elsewhere; sucker dark tawny, clothed with tawny rs; palpi pale tawny, beset with black bristles: feelers pale ny, as long as the face; third joint downy, slightly conical, nded at the tip, nearly thrice the length of the second; bristle ck, slender, clothed with very short hairs, slightly bent near the e, which is tawny, rather more than twice the length of the third it: hind scutcheon black: abdomen black, elliptical, nearly cy-drical, very little narrower and shorter than the chest, clothed ng each side with stout black hairs; first segment tawny; second ny along each side and on the hind border; hind borders of the rd and of the fourth with tawny bands, which dwindle and disap-ar towards each side: legs pale tawny, clothed with tawny hairs; ghs clothed beneath with black bristles; fore and middle thighs chy, with tawny tips; claws and hind thighs black: wings dark

brown, with some colourless intervals near the base; a larg
gular colourless spot resting on the fore border beyond the
of the wing; a little beyond this the whole of the wing is c
to the tip, with the exception of two stripes, of which one ru
the fore border and the other forms a very small angle ben
the hind border is slightly gray for near half the length, a
is a colourless spot a little beyond; wing-ribs tawny; vein
tawny in the colourless parts of the wing; borders of cr
tawny; lower cross-vein slightly oblique, very slightly curve
for half the length from the base, straight from thence t
separated by much more than its length from the middle cr
which is nearly perpendicular and very slightly curved
poisers tawny. Length of the body 3½ lines; of the wings

a. Brazil. From Mrs. Noel's collection.

Trypeta Cronia, n. s., mas. *Fulva, abdominis vitta apicef
palpis antennis pedibusque fulvis, tibiis posticis obsc
alis fuscis basi maculis apiceque limpidis, apice fusco*

Body pale tawny, clothed with short tawny hairs: b
chest beset with a few long black bristles, which form a rov
side of the crown, and there is a cross fringe of short blac
behind the eyes: face pale tawny, its sides without bristles;
very slightly prominent: eyes coppery red, varied with gr
part flat, its facets very much larger than those elsewhere
tawny, clothed with tawny hairs; palpi tawny, beset wi
bristles: feelers tawny, as long as the face; third join
slightly conical, nearly thrice the length of the second
black, slender, clothed with very short black hairs, rather n
twice the length of the third joint: abdomen elliptical, v
shorter and narrower than the chest, clothed along each
stout black hairs; a pitchy band towards the tip, whic
pitchy: legs tawny, clothed with black and tawny hair
black; fore thighs beset beneath with black bristles; hin
dark tawny, thickly clothed with black hairs: wings dark b
lourless at the base, and adorned near it with some colourl
beyond the middle of the wing there is a large triangular c
spot, whose tip extends into the middle of the disk; a littl
this spot the whole of the tip of the wing is colourless, wit
ception of two broad, curved, dark brown stripes, the up
along the fore border to the tip; hind border of the wing
gray from the base to the middle; a little beyond the latte
a triangular colourless spot; wing-ribs and veins tawn
pitchy in the brown parts of the wing; borders of the cr
tawny; a small tawny dot a little below the fore border; a

ance beyond, just above the middle cross-vein, there is a colour-
dot; lower cross-vein very slightly oblique, and having an ex-
ıely obtuse inward angle; middle cross-vein nearly perpendicu-
very slightly curved inward; poisers pale yellow. Length of
body 3½ lines; of the wings 7 lines.

Brazil. From Mrs. Noel's collection.

PETA Pornia, n. s., fem. *Fulva, facie albida, abdomine cyaneo basi fulvo, terebra fulva, palpis antennis pedibusque fulvis, alis limpidis fusco maculatis fasciatis et vittatis basi fulvis.*

Body tawny, beset with a few black bristles; a slight yellow uberance above the base of the feelers; face whitish, its sides ıout bristles; epistoma slightly prominent: eyes pale red; fore nearly flat, with a slight brassy tinge, its facets larger than e elsewhere: sucker and palpi tawny; sucker clothed with ıy hairs; palpi beset with black bristles: feelers tawny, a little ter than the face; third joint flat above, convex beneath, ıded at the tip, much more than twice the length of the second t; bristle black, very slender, feathered with eight or nine s of moderate length, much more than twice the length of the l joint: abdomen nearly oval, blue, shining, clothed with short k hairs, tawny at the base, lengthened towards the tip, whose is tawny and about one-fourth of the length of the preceding : legs tawny, clothed with short black hairs; fore thighs beset eath with a few black bristles; spines of the shanks and claws k: wings colourless, tawny at the base, adorned with very dark vn marks; of these are a small spot near the base, and beyond broad oblique stripe extending from the hind border to the fore ler, and thence occupying more than half of the breadth and the le of the tip of the wing; it sends forth two irregular, paler vn bands, which converge towards each other, and at the base rly enclose a round colourless spot; there are also two complete nd colourless spots in the brown part between the third and th longitudinal veins; between the two spots above there is a ngular colourless spot, whose base rests on the fore border of the g; longitudinal veins nearly straight; wing-ribs tawny; veins k, tawny at the base and in the colourless parts along the fore der; lower cross-vein much less than its length distant from the ldle cross-vein, nearly perpendicular, almost straight, its outward ve being hardly perceptible; middle cross-vein straight, perpen-ular, a little less than half the length of the lower cross-vein; sers tawny. Length of the body 2½ lines; of the wings 5½ lines.

Port Stephen, New Holland. Presented by the Earl of Derby.

Group XXIX. Ceratitis, *Macleay*.

TRYPETA capitata, *Wied. Anal. Ent.* 55, 124. *Auss. Zwe* 30. Petalophora capitata, *Macq. Hist. Nat. Dipt.* Ceratitis citriperda, *Macleay, Zool. Journ.* iv. 475 *Macq. Dipt. Exot.* ii. 3, 219, *pl.* 29, *f.* 10.

a. ——? From Mr. Children's collection.

TRYPETA Cosyra, n. s., fem. *Fulva, thorace vittis tribus ribus, lateribus scutelloque nigris flavo radiatis, abdom nigricante, antennis ferrugineis, palpis pedibusque f fulvo fasciatis basi costaque fusco maculatis.*

Body pale tawny, beset with a few stout black bristl yellow in front and beneath; sides of the face without bri stoma very slightly prominent: eyes red, convex; all the small: sucker yellow, clothed with yellow hairs; palpi set with black bristles: feelers pale ferruginous, shorte face; third joint rather large, linear above, slightly conve somewhat truncated at the tip, full thrice the length of joint: three dark tawny stripes on the chest; its side scutcheon black, adorned with slender yellow rays: abdo nical, suddenly tapering towards the tip, not much longe chest; its disk somewhat blackish: legs yellow, beset yellow bristles; feet darker; claws black: wings colourles veral brown dots near the base and along the fore borde also with some tawny marks; one of these is at the bas cond forms a band across the wing, becomes brown o border, joins a stripe which proceeds along the fore bo tip, and there is also brown; an oblong brown spot cloud cross-vein; wing-ribs and veins tawny; middle cross-ve lique; lower cross-vein hardly curved inward, nearly upri by much more than its length from the middle cross-vei its length from the tip, and by less than half its lengt lower border; poisers pale tawny. Length of the body the wings 4 lines.

a. Congo. Presented by Sir J. Richardson.

Psila, *Meigen.*

Group I. Oblicia, *Desv. Essai Myod.* 620.

. fimetaria, *Meig. Dipt.* v. 356, 1. *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 177, 1. *Ins. Lapp.* 4,759, 1. Musca fimetaria, *Linn. Syst. Nat.* ii. 996. *Faun. Suec.* 1862. *Gmel. Ed. Syst. Nat.* . 5, 2853, 106. *Fabr. Sp. Ins.* ii. 449, 75. *Ent. Syst.* iv. 346, 140. *Schrank, Ins. Austr.* 951. *Turt.* iii. 615. M. flava, *Schell. Gen. Mouch. tab.* 5. *Panz. Faun. Germ.* 20, 22. M. luteus, *Harr. Ex.* 116, *pl.* 34, *f.* 16. Volucella fimetaria, *Schrank, Faun. Boic.* iii. 2498. Scatophaga fimetaria, *Fabr. Syst. Antl.* 204, 5. *Fall. Opomyz.* 8, 1. Psilomyia fimetaria, *Latr. Regn. Anim. Macq. Hist. Nat. Dipt.* ii. 421, 1. Oblicia testacea, *Desv. Essai Myod.* 620, 1.
gland.
raine. Presented by Dr. Dowler.

pallida, *Meig. Dipt.* v. 357, 2. *Macq. Hist. Nat. Dipt.* ii. 421, 1. Scatophaga pallida, *Fall. Opomyz.* 9, 2. *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 178, 3. *Ins. Lapp.* 4, 759, 3.
gland. Presented by F. Walker, Esq.
——?

rufa, *Hoffmansegg, Meig. Dipt.* v. 357, 3. Scatophaga rufa, *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 177, 2. *Ins. Lapp.* 4, 759, 2.
gland. Presented by F. Walker, Esq.

bicolor, *Meig. Dipt.* v. 358, 4, *pl.* 51, *f.* 13. *Macq. Hist. Nat. Dipt.* ii. 421, 3. Scatophaga pallida, var. β, *Fall. Dipt. Suec. Opomyz.* 9, 2. S. bicolor, *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 178, 4. *Ins. Lapp.* 4, 759, 4.
gland. Presented by F. Walker, Esq.
——?

Rosæ, *Meig. Dipt.* v. 358, 6, *pl.* 51, *f.* 12. *Macq. Hist. Nat. Dipt.* ii. 421, 4. Musca Rosæ, *Fabr. Ent. Syst.* iv. 356, 181. Tephritis Rosæ, *Fabr. Syst. Antl.* 319, 12. Scatophaga Rosæ, *Fall. Opomyz.* 9, 3. *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 181, 8. *Ins. Lapp.* 4, 760, 7.
gland.
——?

LOXOCERA, *Fabr.*

LOXOCERA ichneumonea, *Fabr. Syst. Antl.* 202. *Latr. G*
iv. 356. *Cons. Gen.* 444. *Fall. Opomyz.* 7, 1. *M*
v. 363, 1. *Desv. Essai Myod.* 667, 2. *Macq. Hist. N*
ii. 373, 1. *Zett. Ins. Lapp.* 757, 1. Musca ichn
Linn. Syst. Nat. ii. 986. *Faun. Suec.* 1809. *Gmel.*
Nat. i. 5, 2873, 42. *Schell. Gen. Mouch. tab.* 7. M
Panz. Faun. Germ. lxxiii. *f.* 24. Syrphus ichne
Fabr. Sp. Ins. ii. 429, 39. *Ent. Syst.* iv. 297, 7
ichneumonea, *Fabr. Ent. Syst. Suppl.* 559, 7. Nem
bisetus, *Schrank, Faun. Boic.* iii. 2406. Musca
Harr. Ex. 152, *pl.* 45, *f.* 79.
a. England.
b. France.

LOXOCERA elongata, *Meig. Dipt.* v. 364, 2. *Macq.*
Dipt. ii. 373, 2.
a. England.

LOXOCERA sylvatica, *Meig. Dipt.* v. 365, 3, *pl.* 51, *f.* 2
Hist. Nat. Dipt. ii. 374, 3.
a. England.

LOXOCERA paradoxa, *Latr. Desv. Essai Myod.* 666, 1.
a. France.

CHYLIZA, *Fallen.*

CHYLIZA scutellata. Sargus scutellatus, *Fabr. Ent. S*
567, 5. *Syst. Antl.* 257, 8. Musca leptogaster, *Pa*
Germ. 54, 19. Chyliza leptogaster, *Fall. Opomyz.* 7,
Dipt. v. 368, 1. *Macq. Hist. Nat. Dipt.* ii. 379, 1.
a. France.

CHYLIZA atriseta, *Meig. Dipt.* v. 369, 2, *pl.* 51, *f.* 26. *M*
Nat. Dipt. ii. 380, 3. Dasyna fuscipennis, *Desv. Es*
668, 1.
a. England. Presented by F. Walker, Esq.
b. France.

CHYLIZA vittata, *Meig. Dipt.* v. 369, 3, *pl.* 51, *f.* 25. *M*
Nat. Dipt. ii. 380, 5.
a. France.

ZA annulipes, *Macq. Hist. Nat. Dipt.* ii. 380, 2.
gland. Presented by F. Walker, Esq.

ZA metallica, *Barnston's MSS.*, mas. et fem. *Viridis, capite btus facieque flavis, palpis antennisque ferrugineis, pedibus lvis, femoribus et tibiis anticis femoribusque posticis cyaneo-ridibus, tarsis anticis nigris, alis limpidis.*

Male.—Body dark green, shining: head and chest beset with black bristles: crown of the head black; face and under-side llow; sides of the face without bristles; epistoma not promi-eyes red; fore part composed of larger facets than those else-sucker ferruginous, clothed with tawny hairs; palpi ferru-, beset with black bristles: feelers ferruginous, partly pitchy, l with short black hairs, as long as the face; third joint elliptical, as long as the second; bristle black, downy, longer e third joint: abdomen spindle-shaped, a little longer than est: legs tawny, clothed with very short black hairs; fore and fore shanks blue, tawny at the base; fore feet black, ra-oad; hind thighs bluish green: wings colourless; wing-ribs ins pale yellow; longitudinal veins straight; lower cross-vein t, almost perpendicular, more than twice its length distant e middle cross-vein; poisers tawny. *Fem.*—Abdomen ferru-at the base beneath, much attenuated towards the tip, full he length of the chest. Length of the body $1\frac{1}{2}$—2 lines; of ngs 3 lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.

PROCHYLIZA, n. g.

ody narrow: head advanced in front and forming a protube-on which the feelers are seated: feelers longer than the head; int short; second very long; third elliptical, about half the of the second.

YLIZA xanthostoma, n. s., mas. *Nigra, nitens, capite subtus facie flavis, abdomine subcompresso, palpis flavis, antennis iceis, pedibus fulvis, femoribus et tibiis anticis, tarsis posteri-ibus apice tarsisque anticis piceis, alis limpidis angustis.*

ody black, shining, thinly clothed with short black hairs: nd chest beset with a few black bristles: head narrow, yellow h; face yellow, with a single bristle on each side at the base; ma not prominent: eyes pitchy, convex; facets of the fore

part larger than those elsewhere: sucker and palpi yellow pitchy, clothed with short black hairs; bristle black, bar longer than the third joint: abdomen nearly cylindrical compressed, a little deeper towards the tip, rather longer chest: legs tawny; fore feet, and tips of the fore thighs, shanks and of the four hinder feet pitchy; claws black: lourless, narrow; wing-ribs tawny; veins pitchy, tawny at lower cross-vein straight, perpendicular, distant by less length from the hind border, by more than twice its length middle cross-vein, and by more than four times its length tip of the wing; poisers tawny, with yellow knobs. Leng body $1\frac{1}{4}$ line; of the wings $2\frac{1}{2}$ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Pr G. Barnston, Esq.

LISSA, *Meigen*.

LISSA dolium. Ocyptera dolium, *Fabr. Syst. Antl.* 315. loxocerina, *Fall. Opomyz.* 6, 1. Lissa loxocerina, *M* v. 370, *pl.* 52, *f.* 1—4. *Macq. Hist. Nat. Dipt.* ii. 3
a. England.

LISSA varipes, n. s., mas. *Nigra, nitens, capite canescente abdominis apice compresso, palpis antennisque fulvi nigris ferrugineo piceo fulvoque variis.*

Body long, narrow, black, shining: head beset with a bristles, covered above and in front with hoary bloom; f with a single bristle on each side at the base; epistoma nent: eyes dark red, convex; facets of the fore part la those elsewhere: sucker pitchy, clothed with tawny ha tawny, beset with black bristles: feelers tawny, as long as third joint linear, rounded at the tip, paler and a little lo the second; bristle black, slender, feathered with long ha than the third joint: abdomen nearly cylindrical, slightly towards the tip, where it is compressed, narrower and longer than the chest, thinly clothed with very short ho fore thighs tawny, beset beneath with a few long black bri shanks ferruginous, tawny at the base, armed with a few bristles; fore feet pitchy, ferruginous at the base; foo tawny; claws black; middle thighs black, tawny at the b dle shanks and feet pitchy, first joint of the latter dark taw thighs black, pale tawny at the base; four hinder knees fe four hinder shanks beset with a few short black brist

black, pitchy towards the base; hind feet ferruginous: slightly gray, clouded with brown at the tips and about the eins; wing-ribs and veins tawny, the latter pitchy at the tips the darker parts of the wings; lower cross-vein straight, per- ılar, distant by more than half its length from the hind bor- more than its length from the middle cross-vein, and by ıan four times its length from the tip of the wing; longitu- eins straight; poisers tawny. Length of the body 3½ lines; vings 5 lines.

ɔ. Presented by the Entomological Club.

:ornuta, *Barnston's MSS.*, mas. *Nigra, capite albo micante tice fulvo, palpis antennisque nigris, his basi pedibusque ful-, femoribus nigris, alis subcinereis.*

ɔdy black, shining, clothed with black hairs and bristles: lorned with white reflections, tawny and prominent in front; f the face without bristles; epistoma not prominent: sucker clothed with tawny hairs: palpi black, beset with black bris- feelers black, much shorter than the face; first and second awny; third joint not longer than the second; bristle downy, the length of the third joint: abdomen cylindrical, very increasing in breadth towards the tip, narrower than the nd almost twice its length: legs tawny, clothed with black nd bristles; thighs black, with tawny tips: wings slightly wing-ribs tawny; veins pitchy, tawny towards the base; ross-vein straight; scales very small, whitish, with pale yel- ders; poisers pale tawny. Length of the body 2¼ lines; of gs 3½ lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by Barnston, Esq.

:arbonaria, n. s., fem. *Atra, nitens, facie fulva, abdomine ci- rascente, palpis, antennis pedibusque nigris, tibiis ferrugineis ice piceis, tarsis piceis, alis subcinereis, basi nervorumque mar- nibus fulvis.*

ɔdy black, shining: head and chest beset with black bristles: wny, its sides without bristles; epistoma not prominent: tchy: facets of the fore part a little larger than those else- sucker black, pitchy and clothed with tawny hairs towards ; palpi black, beset with black bristles: feelers black, a little than the face; third joint nearly linear, rounded at the tip, than the second joint; bristle hairy: abdomen spindle- l, covered with gray bloom, thinly clothed with black hairs,

much longer than the chest: legs black, clothed with sho
hairs; shanks ferruginous, pitchy towards the tips, beset wi
bristles; feet pitchy; foot-cushions tawny; claws black
slightly gray, tawny at the base and along the borders of th
wing-ribs and veins tawny; veins darker towards the tips
cross-vein pitchy, nearly straight and perpendicular, distan
than its length from the hind border, by twice its length
middle cross-vein, and by thrice its length from the tip of t
poisers tawny. Length of the body 2½ lines; of the wing

a. New York. Presented by E. Doubleday, Esq.

Calobata, *Fabr.*

Calobata petronella, *Fabr. Syst. Antl.* 262, 10. *Meig*
377, 1. *Macq. Hist. Nat. Dipt.* ii. 490, 2. *Zett. In*
756, 2. Musca petronella, *Linn. Syst. Nat.* ii. 994
Suec. 1856. *Gmel. Ed. Syst. Nat.* i. 5, 2850, 96.
Ins. ii. 447, 57. *Ent. Syst.* iv. 336, 103. *Schell. Ge*
pl. 6, *f.* 2. *Schrank, Ins. Austr.* 646. *Turt.* iii. 61
bata corrigiolata, *Fall. Opomyz.* 2, 3.

a. England.

Calobata Alesia, n. s., mas. et fem. *Nigra, nitens, cap*
nis mari. *apice antennis pedibusque fulvis, tibiis ob*
femoribus apice fusco cinctis, alis limpidis.

Nearly allied to *C. petronella*, but the legs are rat
and the bands on the thighs are narrower. Body blac
head and chest beset with a few black bristles: head
tawny in front and beneath; sides of the face without bri
stoma not prominent: eyes red; fore part rather flat
larger than those elsewhere: sucker tawny, clothed with
palpi yellow: feelers bright tawny, much shorter than
third joint conical, longer than the second; bristle bla
with short hairs, stout at the base, about thrice the le
third joint: abdomen linear, a little narrower than th
nearly twice its length; tip and appendages of the m
legs tawny, rather long, clothed with very short tawny ha
with black tips; fore thighs yellow; a brown band a
each hind thigh; hind shanks of the male brown, of
dark tawny: wings colourless, rather short; wing-ribs
tawny; fore border pitchy towards the tip: third and fo
tudinal veins approaching each other in the latter pa
course, the fourth forming a very slight angle at its ju

wer cross-vein; middle cross-vein straight, slightly oblique; cross-vein nearly upright, very slightly curved outward, parted ch more than four times its length from the middle cross-vein om the end of the fourth longitudinal vein, and by less than gth from the end of the fifth longitudinal vein; poisers pale . Length of the body 3 lines; of the wings 5 lines.

Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

BATA cibaria, *Meig. Dipt.* 378, 2. *Macq. Hist. Nat. Dipt.* ii. 90, 1. *Zett. Ins. Lapp.* 4, 756, 1. Musca cibaria, *Linn. Syst. Nat.* ii. 995. *Faun. Suec.* 1859. *Gmel. Ed. Syst. Nat.* 1, 5, 2853, 102. *Schrank, Faun. Boic.* iii. 2497. Calobata cothurata, *Fall. Geomyz.* 2, 2. C. solidaginis, *Desv. Essai Myod.* 391. C. soror, *Desv. E. M.* 739, 2.
gland.

BATA cothurnata, *Meig. Dipt.* v. 379, 3, *pl.* 52, *f.* 18, 19. *Macq. Hist. Nat. Dipt.* ii. 490, 3. Musca cothurnata, *Panz. Faun. Germ.* 54, 20.
gland.

BATA sellata, *Meig. Dipt.* v. 380, 5. *Macq. Hist. Nat. Dipt.* i. 490, 5.
gland.

BATA univitta, n. s., mas. *Ferruginea, capite pectoreque albo ectis, thorace nigro univittato, abdominis disco nigro, palpis annis pedibusque fulvis, femoribus posticis apice fusco cinctis, lis subfulvis.*

Body ferruginous: head adorned with a white covering; of the face without bristles; epistoma not prominent: eyes , convex, all the facets very small; sucker pitchy, d with tawny hairs; palpi tawny: feelers tawny, much r than the face; third joint longer than the second, rounded tip; bristle black, feathered to the tip with very short hairs, han twice the length of the third joint: chest adorned with a stripe; breast with a whitish tinge: abdomen linear, cylin- narrower and much longer than the chest; disk black: legs , rather long; feet darker towards the tips; claws black; a band very near the tip of each hind thigh: wings narrow, y tawny; wing-ribs tawny; veins pitchy, tawny towards the third and fourth longitudinal veins including a lengthened, e-shaped areolet, approaching rather near to each other at the the wing; lower cross-vein very slightly curved outward,

nearly upright, parted by near four times its length from dle cross-vein and from the tip of the wing, and by more its length from the hind border; poisers tawny. Leng body 2½ lines; of the wings 4 lines.

a. New York. Presented by E. Doubleday, Esq.
b. St. Martin's Falls, Albany River, Hudson's Bay. Pre G. Barnston, Esq.

CALOBATA ephippium, *Fabr. Syst. Antl.* 263, 13. *Fall. G* 5. *Meig. Dipt.* v. 380, 6. *Macq. Hist. Nat. Dipt.* Musca ephippium, *Fabr. Ent. Syst.* iv. 338, 108. *Pa Germ.* 27, 21. Neria Inulæ, *Desv. Essai Myod.* 738,
a. England.

CALOBATA testacea, *Fabr. Syst. Antl.* 261, 5. *Wied. Au* ii. 534, 4.
a. Brazil.

CALOBATA fulva, n. s., fem. *Fulva, facie flava, abdomini gro, antennis pedibusque fulvis, tibiis ferrugineis, ta alis subfulvis.*

Nearly allied to *C. testacea.* Body tawny: head be few black bristles; face yellow, its sides without bristles; not prominent: eyes pitchy, convex; facets of moderate size: sucker and palpi black? feelers dark tawny, shorte face; third joint nearly linear, rounded at the tip, full length of the second; bristle black, feathered with hairs rate length, near thrice the length of the third joint: ch than the breast, which is partly clothed with tawny hairs: more than twice the length of the chest, dart-shaped t tip, which is black: legs tawny, very long; shanks fe thickly clothed with very short black hairs: feet pitchy, c neath with golden down for more than half the lengt base: wings slightly tawny; wing-ribs and veins tawny; gitudinal vein curved upward towards the tip, nearly j second on the border of the wing at the tip: lower cross slightly curved outward, more than four times its lengt middle cross-vein; poisers tawny. Length of the body 7 the wings 11 lines.

a. Para.

CALOBATA annulata (var.?), *Fabr. Syst. Antl.* 262, 7. *Zweif.* ii. 534, 5. Musca annulata, *Fabr. Ent. Sy* 111.
a. Brazil.

BATA albitarsis, *Wied. Zool. Mag.* iii. 19, 26. *Auss. Zweif.* ii. 44, 22.
rt Essington. From Mr. Gould's collection.

ATA albimana, *Macq. Dipt. Exot.* ii. 3, 245, 3, *pl.* 33, *f.* 3.
ngal.
io. Presented by the Entomological Club.
orgia. From Mr. Abbot's collection.
——?

BATA indica. Nerius indicus, *Desv. Essai Myod.* 737, 4.
ngal.

ATA tarsata, *Wied. Auss. Zweif.* ii. 541, 18. *Macq. Dipt. Exot.* ii. 3, 245, 4.
——?

ATA robusta, n. s., mas. *Cyanea cano tecta, capite fulvo, abominis apice subtus suturisque ferrugineis, palpis piceis, antenis ferrugineis, pedibus piceis, femoribus anticis ferrugineis pice piceis, femoribus posterioribus apice flavo cinctis, femoribus osticis basi tarsisque anticis flavis, tibiis posterioribus fulvis, lis subcinereis fusco variis.*

ody blue, covered with a hoary bloom: head and chest beset ery few black bristles: head tawny, adorned with white lusight blue on the crown, with the exception of a velvet-like which is ferruginous behind and black in front: sides of the ithout bristles; epistoma blue, not prominent: eyes brassy nvex; the facets of moderate and equal size: sucker pitchy, eneath, clothed with tawny hairs; palpi pitchy, beset with bristles: feelers ferruginous, a little shorter than the face; joint beset with a few short black bristles; third joint linear, d at the tip, full four times the length of the second; bristle slender, bare, tawny at the base, more than twice the length third joint: abdomen much narrower than the chest and twice its length; sutures of the segments and under side at ferruginous: fore legs clothed with black down; fore thighs nous, with pitchy tips; fore shanks pitchy; fore feet pale , clothed with whitish down, brown at the base on the under where they are clothed with short black hairs; four hinder pitchy, adorned with a pale yellow band near the tip; four shanks dark tawny; hind thighs pale yellow at the base; black: wings slightly gray, adorned with a large irregular spot, which is included between the longitudinal veins and oss-veins; two small paler brown spots near the tips, which

are slightly tinged with brown; wing-ribs tawny; vein tawny at the base; third longitudinal vein slightly inclined after its junction with the lower cross-vein, approaching v the second at the tip of the wing; lower cross-vein nearly slightly oblique, distant by more than half its length from border, by much more than thrice its length from the midd vein, and by full five times its length from the tip of t poisers ferruginous, with pitchy knobs. Length of the lines; of the wings 8 lines.

a. ——— ?

CALOBATA respondens, n. s., mas. *Cinereo-nigra, capite cy micante, abdominis suturis ventreque piceis, antennis fe pedibus piceis, femoribus anticis basi flavis, femoribu flavo tricinctis, tibiis posticis ferrugineo fasciatis, tars flavis basi piceis, alis limpidis fusco bifasciatis.*

Body black, slightly tinged with gray: head and cl with a few black bristles: head blue, shining, adorned w lustre; crown velvet-like black, excepting the sides and about the eyelets, which is pitchy, and covered with hoar sides of the face without bristles; epistoma slightly pr eyes red; facets of the fore part a little larger than those e sucker pitchy, clothed with tawny hairs: feelers ferruginou than the face; third joint conical, darker and a little lo the second; bristle black, slender, bare, ferruginous at the thrice the length of the third joint: abdomen cylindrical, the breadth of the chest, but more than twice its length; b the segments and under side pitchy: legs dark pitchy; fo yellow at the base; fore feet yellow, pitchy at the base; hi adorned with three yellow bands; hind shanks ferruginous middle till near the tips; claws black: wings colourless, with two brown bands; one near the base, disappearing proaches the hind border; the second darker and more comp the first, extending a little beyond the lower cross-vein; and veins tawny, the latter pitchy in the brown parts of t lower cross-vein straight, nearly perpendicular, distant than thrice its length from the middle cross-vein; poise with pitchy knobs. Length of the body 4½ lines; of th lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

— Var. Mas. *Nigro-cyanea, canescens, palpis nigris, an-*
nnis ferrugineis, pedibus fuscis, femoribus posticis flavo trifas-
atis, tarsis nigris, alis limpidis fusco trifasciatis.

ody black: crown of the head beset with a few black bristles,
es dark blue; sides of the face without bristles; epistoma
ent: eyes red, convex; all the facets small: sucker black,
l with tawny hairs; palpi black, beset with black bristles:
ferruginous, shorter than the face; third joint conical, longer
e second; bristle black, bare, very slender, pale tawny at the
about thrice the length of the third joint: chest and breast
black, with a slight hoary tinge; sides of the hind part of
est clothed with a few long tawny hairs: abdomen black, li-
arrower than the chest and nearly twice its length: legs dark
(middle legs wanting); feet black; hind thighs adorned with
ellow bands: wings colourless, adorned with three brown
the first at one-third from the base, the second broad, the
t the tip; wing-ribs tawny; veins black, tawny at the base;
ngitudinal vein slightly curved upward, approaching near to
ond at the tip of the wing; lower cross-vein near the tip of
ng, very slightly curved outward, more than four times its
from the middle cross-vein; poisers tawny, with pitchy

go. Presented by Sir J. Richardson.

ATA Aloa, n. s. C. fasciata var.? Fem. *Nigra, facie fer-*
ginea, abdomine cyaneo, palpis antennisque nigris, harum ar-
ulo 3º basi ferrugineo, pedibus nigris, tarsis albis, femoribus
sterioribus fulvis, alis limpidis fusco trifasciatis.

ody black: head beset above with a few black bristles, clothed
h with short black hairs; sides of the face without bristles;
na not prominent; face ferruginous: eyes bare, dark red,
; all the facets small: sucker black, clothed with tawny
palpi black, beset with black bristles: feelers black, longer
e face; third joint slightly conical, rounded at the tip, fer-
us at the base beneath, more than thrice the length of the
joint; bristle bare, slender, much more than twice the length
third joint: chest beset with a few black bristles: abdomen
ue, somewhat lengthened, tapering towards the tip, thinly
with short black hairs: legs black, clothed with very short
airs; second, third and fourth joints of the feet white; four
thighs dark tawny: wings colourless, adorned with three
own bands; the first narrow at one-third of the length from
e, the second very broad, the third at the tip, joining the se-

cond by the hind border, the colourless band between them outward; wing-ribs and veins black; third longitud curved upward towards the tip, nearly joining the seco border of the wing at the tip; lower cross-vein straight, lique, near the hind border, more than its length distan middle cross-vein; poisers black. Length of the body 4 the wings 7 lines.

a. Jamaica. Fiom Mr. Gosse's collection.

CALOBATA Uzita, n. s., mas. *Cyanea, vertice thoracisque ornatis, abdominis apice subtus piceo, palpis nigris pedibusque fulvis, horum femoribus apice tibiisque ni nigris basi flavis, alis subfulvis apice subfuscis.*

Body dark blue, long, narrow: crown of the head a the chest adorned with tawny bloom: head oblong; s face without bristles; epistoma not prominent: eyes red all the facets very small: sucker and palpi black; suck with tawny hairs: feelers bright tawny; third joint coni longer than the second; bristle black, slender, bare, n than thrice the length of the third joint: chest spin slightly compressed: abdomen linear, cylindrical, somew beneath at the tip, narrower than the chest and nearl length: four hinder legs wanting; fore legs tawny; s tips of the thighs black; feet black, first and second joint low, tip of the second joint dark brown: wings narrow, slight tawny tinge, brownish at the tips and at the end cond longitudinal vein; wing-ribs and veins tawny; fourth longitudinal veins including a lengthened spin areolet, approaching very near each other at the tip; l vein brown, slightly curved outward, parted by more than its length from the middle cross-vein and from the tip o and by rather more than half its length from the hi poisers tawny, with ferruginous knobs. Length of the bo of the wings 9 lines.

a. ——— ?

CALOBATA Abana, n. s., mas. *Ferruginea, abdomine pi antennisque ferrugineis, pedibus fulvis, femoribus p flavo trifasciatis, pedibus anticis tarsisque fuscis, alis*

Body dull ferruginous: head beset with very fe sides of the face without bristles; epistoma not promi red, convex; all the facets small: sucker and palpi d nous; sucker large, tawny at the base, clothed with a

: feelers ferruginous, much shorter than the face; third joint y linear, rounded at the tip, full twice the length of the second; e downy, very slender, near thrice the length of the third joint: spindle-shaped: breast with a slight hoary tinge: abdomen y, linear, cylindrical, much longer and narrower than the chest: lull tawny, long, slender; four hinder thighs adorned with indistinct yellow bands; feet and fore legs brown: wings pale wing-ribs and veins tawny; third and fourth longitudinal including a spindle-shaped areolet, approaching near to each at the tip; lower cross-vein nearly straight, slightly oblique, l by more than thrice its length from the middle cross-vein rom the tip of the wing, and by less than half its length from nd border; poisers tawny. Length of the body 4 lines; of ings 8 lines.

——— ?

BATA erythrocephala, *Fabr. Syst. Antl.* 260, 1. *Wied. Auss. Zweif.* ii. 532, 1.
ra. Presented by J. P. George Smith, Esq.
exico. From Mr. Argent's collection.
azil.

BATA apicalis (n. g.?), n. s., fem. *Fusca, capite ferrugineo ubtus flavo, thorace flavo quadrivittato, abdomine piceo-flavo, palpis piceis, antennis nigris, seta flava basi apiceque picea, pedibus fulvis, femoribus tibiisque apice tarsisque piceis, alis subfuscis ad costam obscurioribus.*

Body brown, slender: head and chest beset with some black es: head ferruginous above, yellow beneath; crown with a pitchy stripe, adorned with white lustre; sides of the face not y; epistoma not prominent: eyes red, oblong; the facets ra- large: sucker pale tawny, pitchy at the tip; palpi pitchy: s black, shorter than the head; first and second joints very ; third joint conical, much longer than the first and the se- ; bristle slender, pale yellow, clothed with very short hairs the whole length, pitchy at the base and at the tip, proceed- rom the tip of the third joint and nearly thrice its length: adorned with two yellow stripes on the back and with a broad w stripe on each side: abdomen dark tawny, partly pitchy, y linear, pointed at the tip, longer and a little narrower than hest: legs dark tawny, rather long; thighs rather broad, espe- the hind pair; feet and tips of the thighs and of the shanks y; claws black; foot-cushions pale tawny: wings pale brown, brown along the fore borders; wing-ribs yellow; veins pitchy,

tawny at the base; longitudinal veins straight, with t
of the fourth, which curves upward and at the tip ap
third vein; middle cross-vein short, straight, nearly up
cross-vein a little oblique, slightly curved outward, pa
than twice its length from the middle cross-vein, by mo
times its length from the tip, and by more than half its
the hind border; poisers and scales pale yellow, the
Length of the body 3 lines; of the wings 5 lines. D
from other species by the insertion of the feeler-bristle.

a. West Africa. Presented by W. Raddon, Esq.

MICROPEZA, *Meigen*.

MICROPEZA lateralis, *Meig. Dipt.* v. 383, 1, *pl.* 53, *f*
Hist. Nat. Dipt. ii. 492, 2.
a. England.

MICROPEZA corrigiolata, *Meig. Dipt.* v. 384, 2, *pl.* 53,
Hist. Nat. Dipt. ii. 492, 1. Musca corrigiolata,
Nat. ii. 995. *Fabr. Sp. Ins.* ii. 447, 59. *Ent. S*
Gmel. Ed. Syst. Nat. i. 5, 2852, 100. *Schrank*,
949. *Schell. Gen. Mouch. pl.* 6, *f.* 1. M. filif
Ent. Syst. iv. 337, 105. M. pedo, *Harr. Ex.* 11
16. Calobata corrigiolata, *Fabr. Syst. Antl.* 263,
formis, *Fabr. Syst. Antl.* 263, 14. *Fall. Opomyz.*
Gen. Crust. iv. 352. Rhagio corrigiolata *Sch*
Boic. iii. 2400. Phantasma filiformis, *Desv.*
740, 1.
a. England.
b. France.

MICROPEZA producta, n. s., mas. *Ferruginea, capite*
thorace subcompresso, abdomine apice piceo, palpis
nis nigris, pedibus fulvis, femoribus tibiisque ap
piceis, alis limpidis.

Body bright ferruginous, very slender: head and
with a few black bristles: head lengthened in front, yell
sides of the face without bristles: eyes pitchy: sucke
yellow: feelers black; third joint nearly round, much
the second; bristle black, slender, bare, more than twic
of the third joint: chest slightly compressed: abdome
lindrical, a little narrower than the chest and nea
length, pitchy above towards the tip, tawny beneath an
legs tawny, long, slender; feet and tips of the thigh

ıks pitchy: wings colourless, short, very narrow; wing-ribs and s yellow; fourth and fifth longitutinal veins united near the tip ıe wing; lower cross-vein straight, slightly oblique, parted by e than five times its length from the middle cross-vein and from tip of the wing, and by rather less than its length from the hind er; poisers tawny. Length of the body 2½ lines; of the wings ıes.

'eorgia. From Mr. Abbot's collection.

Group Cardiacephala, *Macq. Dipt. Exot.*

ROPEZA cephalotes, n. s. *Ferruginea, capite nigro, palpis antennisque piceis, pedibus ferrugineis, femoribus posticis coxisque fulvis, tarsis piceis, posticis basi flavis, alis subcinereis fusco bicinctis.*

Body pale ferruginous: head and chest beset with a few black les: head black, nearly oval, thinly clothed with short black s, advanced in front; sides of the face without bristles; epistoma ıtly prominent: eyes small, pitchy; facets of the fore part er than those elsewhere: sucker ferruginous, clothed with tawny s; palpi pitchy: feelers pitchy, as long as the face; third joint cal, more than thrice the length of the second joint; bristle k, slender, downy, tawny at the base, much more than twice ength of the second joint: chest long, tapering towards the , where it is armed with two protuberances: abdomen narrower the chest: legs ferruginous, slender, very long; hips and hind hs tawny; feet pitchy; claws black; foot-cushions yellow; joint of the hind feet pale yellow: wings long, narrow, slightly , adorned with two broad pale brown bands, the first near the , the second broader and darker than the first, and extending a beyond the lower cross-vein; wing-ribs tawny; veins pitchy, y at the base; third longitudinal vein nearly straight till half space between its junction with the lower cross-vein and the tip ıe wing, thence inclined upward and terminating very near the nd vein, which is slightly inclined downwards towards it; lower -vein perpendicular, nearly straight, distant by less than its th from the hind border, by full four times its length from the lle cross-vein, and by full five times its length from the tip of wing; poisers tawny. Length of the body 4½ lines; of the gs 7 lines.

ierra Leone. Presented by the Rev. D. F. Morgan.

LONGINA, *Wiedemann.*

LONGINA Wiedemanni, *Perty, Del. Anim. Articul.* *f.* 11.
a. Brazil. From Mr. Walker's collection.

NERIUS, *Wiedemann.*

NERIUS fuscus, *Wied. Anal. Entom.* 15, *f.* 1. *Auss. Z* 2, *pl.* 10, *f.* 2.
a. Brazil. Presented by J. P. George Smith, Esq.

NERIUS fuscipennis, *Macq. Dipt. Exot.* ii. 3, 241 *f.* 5.
a. Philippine Islands. From Mr. Wood's collection.
b. Philippine Islands. From Mr. Wood's collection.

NERIUS rubescens, *Macq. Dipt. Exot.* ii. 3, 242, 2, *pl.*
a. Madras. Presented by Walter Elliot, Esq.
b. Bengal.

ULIDIA, *Meigen.*

ULIDIA demandata, *Meig. Dipt.* v. 386, 1, *pl.* 53, *f.* *Hist. Nat. Dipt.* ii. 504, 1. Musca demandata *Syst. Suppl.* 564. Tephritis demandata, *Fabr* 324, 37. Chrysomyza splendida, *Fall. Scenop.* 4,
a. England. Presented by F. Walker, Esq.

ULIDIA melanopsis, n. s., fem. *Viridis, nitens, capite fe alba antice nigra, abdominis lateribus æneis, palpis nis pedibusque fulvis, femoribus piceo unimaculatis, flavis apice piceis, alis albidis.*

Body very bright green, smooth, shining: head an with a few black bristles: head ferruginous; face whi front; its sides without bristles; epistoma not pron pitchy, convex: sucker and palpi black: feelers tawn oval, brassy on each side, a little longer than the chest: ferruginous: legs bright tawney; a pitchy spot on each black; fore feet pale yellow, pitchy towards the tips: w wing-ribs and veins pale yellow; longitudinal veins s the exception of the fifth, which is much curved upw junction with the lower cross vein, and is united wit

: the tip of the wing; lower cross veins straight, oblique, parted ore than twice its length from the middle cross vein, by more thrice its length from the tip of the wing, and by half its length the hind border; poisers tawny. Length of the body 2 lines; : wings 4 lines.

orth Bengal. From Miss Campbell's collection.

IA smaragdi, n. s., fem. *Viridis, capite nigro, abdomine cyaneo-purpureo, antennis ferrugineis, palpis pedibusque nigris, genubus tibiisque posterioribus ferrugineis, tarsis posterioribus fulvis apice piceis, tarsis anticis basi albis, alis albidis.*

Head and chest beset with a few black bristles: head black; of the face without bristles; epistoma not prominent: eyes t red, convex; all the facets very small: sucker pitchy, clothed tawny hairs; palpi black, beset with black bristles: feelers fer-ious, shorter than the face; third joint slightly tapering from ase to the tip, more than twice the length of the second; bristle :, slender, bare, pale yellow towards the base, about twice the h of the third joint: chest green, not shining: abdomen bluish-le, shining, oval, a little longer than the chest; penultimate ent bright green: oviduct pitchy, short: legs black; fore feet : at the base; four hinder knees and shanks ferruginous; four er feet tawny with pitchy tips: wings whitish; wing-ribs and tawny; lower cross vein with two very slight curves (the lower ard, the upper inward) parted by more than twice its length the middle cross-vein, by more than thrice its length from the f the wing, and by less than half its length from the hind bor-fifth longitudinal vein much curved upward after the junction e lower cross-vein, approaching very near the fourth at the tip of ring; scales small, white; poisers tawny. Length of the body es; of the wings 4 lines.

——? From Mr. Children's collection.

DIA stigma, *Wied. Auss. Zweif.* ii. 665, 1. Musca stigma, *Fabr. Suppl.* 563, 72. *Syst. Antl.* 303, 96. Dacus obtusus, *Fabr. Syst. Antl.* 278, 30.

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DIOPSIS, *Linnæus.*

PSIS pallida, *Westw. Linn. Trans.* xvii. 296, 3, *pl.* 9, *f.* 3.

——?

Diopsis indica, *Westw. Linn. Trans.* xvii. 299, 7, *pl.* 9. *f.*
Ichneumonea, *Donov. Ins. Ind. pl. ult. Rees' Encycl.*
f. 13.
a. East India. From Archdeacon Clerk's collection.
b. ——? From Mr. Children's collection.

Diopsis assimilis, *Westw. Linn. Trans.* xvii. 300, 8, *pl.* 9, *f.*
a. ——? From Mr. Children's collection.
b. ——?

Diopsis fasciata, *G. R. Gray, Griff. Trans. Anim. Kingd.*
pl. 125, *f.* 3. *Westw. Linn. Trans.* xvii. 304, 13, *pl.* 9,
a. Sierra Leone. Presented by the Rev. D. F. Morgan.
b. ——?

Diopsis thoracica, *Westw. Linn. Trans.* xvii. 306, 16, *pl.*
D. Servillei, *Macq. Dipt. Exot.* ii. 3, 238, 1, *pl.* 32, *f.*
a. Sierra Leone. Presented by the Rev. D. F. Morgan.
b. West Africa. From Mr. Argent's collection.

Diopsis Dalmanni, *Weid. Auss. Zweif.* ii, 560, 4, *pl.*
Westw. Linn. Trans. xvii. 309, 19, *pl.* 19, *f.* 17.
a. Java. From Mr. Westwood's collection.

Diopsis Sykesii, *G. R. Gray, Westw. Linn. Trans.* xvii.
pl. 9, *f.* 18, 19.
a. East India. From Mr. Birch's collection.

Diopsis subnotata, *Westw. Orient. Ent. pl.* 18, *f.* 2.
a. Philippine Islands. From Mr. Wood's collection.

Diopsis Trentepohlii, *Westermann, Westw. Linn. Trans.*
25, *pl.* 28, *f.* 6.
a. ——? Presented by the Rev. D. F. Morgan.

Diopsis Hearsceanus, *Westw. Proc. Ent. Soc.*
a. North Bengal. From Miss Campbell's collection.

Platystoma, *Latreille.*

Platystoma umbrarum, *Meig. Dipt.* v. 391, 1, *pl.* 53, *f.* 22
Hist. Nat. Dipt. ii. 444, 1. Musca umbrarum, *Fabr.*
ii. 450, 80. *Ent. Syst.* iv. 350, 157. M. fulviventris,
Syst. Nat. v. 2862, 298. *Schrank, Ins. Austr.* 953.
umbrarum, *Fabr. Syst. Antl.* 325, 1. Hesyquillia
Desv. Essai. Myod. 709, 1.
a. France.

ɪʏsTOMA seminationis. *Latr. Gen. Crust.* iv. 354. *Cons. Gen.* 444. *Meig. Dipt.* v. 392, 2. *Macq. Hist. Nat. Dipt.* ii. 444, 3. Musca seminationis, *Linn. Faun. Suec.* 1874. *Fabr. Sp. Ins.* ii. 452, 90. *Ent. Syst.* iv. 355, 174. *Gmel. Ed. Syst. Nat.* i. 5, 2857, 246. M. nœvosus, *Harr. Ex.* 75, *pl.* 21, *f.* 10. Dictya seminationis, *Fabr. Syst. Antl.* 329, 16. Trupanea seminationis, *Schrank, Faun. Boic.* iii. 2516. Hesyquillia seminationis, *Desv. Ess. Myod.* 709, 2.
ngland.
x-la-Chapelle. Presented by F. Walker, Esq.
ance.

ʏsTOMA stictica, *Wied. Auss. Zweif.* ii. 569, 3. Dictya stictica, *Fabr. Syst. Antl.* 327, 9.
azil. From Mrs. Noel's collection.
—— ? From Mr. Children's collection.

ʏsTOMA maculipennis, *Guérin, Voy. de la Coquille*, 2, 2. *Macq. Hist. Nat. Dipt.* ii. 444, 3.
ustralia. From the Rev. J. Wenham's collection.

ʏsTOMA australis, n. s. *Rufo-fusca, capite flavo vittis duabus fuscis ornato, thorace vittis quatuor canis duabusque nigris ornato, abdomine nigro fusco, palpis nigris, antennis ferrugineis, pedibus niceis, tibiis fulvis, tarsis nigris basi albis, alis limpidis fusco naculatis fasciatis et vittatis.*

Head pale yellow, adorned with broad deep brown stripes en the eyelets and the base of the feelers, and having a short stripe on each side towards the epistoma: eyes dark red; part rather flat, its facets a little larger than those elsewhere: r black, clothed with tawny hairs; palpi black, beset with black es: feelers ferruginous, about half the length of the face, their es pitchy; third joint nearly linear, conical at the tip, about times the length of the second; bristle black, bare, tawny to- the base, near thrice the length of the third joint: chest pale sh brown, adorned with two regular black stripes, and with four ular hoary stripes: abdomen obconical, dark brown or black, clothed with white hairs, not longer than the chest, hind bor- of the segments hoary: legs pitchy; shanks dark tawny with y tips; feet black, white at the base: wings colourless, adorned many small brown spots, which are chiefly along the fore bor- nd the hind border; a blackish-brown band extends across the e of the wing and becomes narrower and paler as it approaches ind border; near the tip there is another brown band of equal th, and a little beyond the latter a brown irregular stripe runs

with pale hairs; sides of the face without bristles; episto
prominent: eyes red; fore part slightly convex, its facet
than those elsewhere: sucker pitchy, clothed with pale tawn
palpi tawny: feelers tawny, darker at the base, shorter t
face; third joint nearly round, longer than the second; bris
tawny, slender, bare, about four times the length of the thir
chest black, dull, finely punctured, clothed (especially on ea
with short tawny hairs; scutcheon small, armed with two
abdomen twice the length of the chest, linear and narrow
the length, broader and spindle-shaped from thence to
clothed on each side with pale yellow hairs: legs red, clot
very short pale yellow hairs; hips and feet pitchy; claw
hind thighs thick, spindle-shaped, adorned with a pitch
armed beneath with a double row of short black spines,
for the reception of the hind shanks, which are slightly
wings rather narrow, slightly tinged with brown; wing-rib
veins pitchy, tawny at the base; fourth longitudinal vein
two very obtuse angles, the one upward at the junction
middle cross-vein, the other downward at the junction
lower cross-vein; sixth longitudinal vein abruptly proceedi
hind border after its junction with the lower basal cross-vein
cross-vein very short; lower cross-vein straight, nearly
parted by more than thrice its length from the middle c
by more than four times its length from the end of th
longitudinal vein, and by more than half its length from th
the fifth longitudinal vein; poisers bright tawny. Leng
body 3½ lines; of the wings 6 lines.

a. ——— ?

Piophila, *Fallen.*

Piophila Casei, *Fall. Heterom.* 9, 1. *Meig. Dipt.* v. 3
54, *f.* 4. *Macq. Hist. Nat. Dipt.* ii. 541, 1. Mus
Linn. Faun. Suec. 1850, *β.* M. putris, var. *Linn.*
ii. 993. *Gmel. Ed. Syst. Nat.* v. 2849, 89. *Berk*
165. *Stew. El.* ii. 260. *Turt.* iii. 610. Tyrophag
Kirby and Spence, Intr. Ent. i. 226, iv. 9. *Curt. B*
iii. 120. The cheese-fly, *Bingley, Anim. Biog.* iii. 31

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Interior of South Africa. Presented by the Earl of De
e. ——— ? From Mr. Children's collection

PHILA atrata, *Meig. Dipt.* v. 396, 2. *Macq. Hist. Nat. Dipt.* ii. 542, 2. Musca atrata, *Fabr. Ent. Syst.* iv. 333, 89. Tephritis atrata, *Fabr. Syst. Antl.* 323, 33. Piophila vulgaris, *Fall. Heterom.* 9, 2.
England. Presented by F. Walker, Esq.
England.
France.
Galapagos. Presented by C. Darwin, Esq.
Tangier. From Mr. Fraser's collection.

PHILA nigrimana, *Meig. Dipt.* v. 396, 3, *pl.* 54, *f.* 5. *Macq. Hist. Nat. Dipt.* ii. 542, 3.
England.

PHILA nigriceps, *Meig. Dipt.* v. 397, 5.
England.
Alten. Presented by F. Walker, Esq.
Hammerfest. Presented by F. Walker, Esq.
St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PHILA luteata, *Hal. Ent. Mag.* i. 169. P. petasionis, *Dufour, Ann. Sci. Nat. 3me série*, i. 365, *pl.* 15, 16.
England. Presented by F. Walker, Esq.
England.

HOMALURA, *Meigen.*

MALURA tarsata, *Megerle, Meig. Dipt.* v. 399, 1, *pl.* 54, *f.* 6—9 *Macq. Hist. Nat. Dipt.* ii. 586, 1.
Aix-la-chapelle. Presented by F. Walker, Esq.

THYREOPHORA, *Latreille.*

YREOPHORA cynophila, *Latr. Gen. Crust.* iv. 358. *Cons. Gén.* 444. *Meig. Dipt.* v. 401, 1, *pl.* 54, *f.* 10—15. *Desv. Essai Myod.* 622, 1. *Macq. Hist. Nat. Dipt.* ii. 497, 1. Musca cynophila, *Panz. Faun. Ins. Germ.* 24, 22.
France.

ACTORA, *Meigen*.

ACTORA æstuum, *Meig. Dipt.* v. 403, 1, *pl.* 54, *f.* 16—20. *Macq. Hist. Nat. Dipt.* ii. 500, 1. Helcomyza ustulata, *Curt. Brit. Ent.* 68.

a. England.

ACTORA extrema, n. s., mas. *Ferruginea, thorace cinereo, palpis fulvis, antennis pedibusque ferrugineis, alis subcinereis.*

Body ferruginous, thickly clothed with black hairs: head beset with a few black bristles; a stout bristle on each side of the face at the base; epistoma not prominent: eyes red, convex; all the facets very small: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers ferruginous; third joint nearly round, a little longer than the first and the second joints; bristle black, downy, long, nearly thrice the length of the feeler: chest and breast gray; scutcheon and fore part of the breast ferruginous: legs ferruginous, thickly clothed with black hairs; foot-cushions yellow; claws black: wings pale gray; wing-ribs tawny; veins black, tawny towards the base; fore border vein tawny, armed with black spines; lower cross-vein straight, perpendicular, parted by more than twice its length from the middle cross-vein, and by near thrice its length from the tip of the wing; poisers yellow. Length of the body 5 lines; of the wings 12 lines.

a. Finmark. Presented by F. Walker, Esq.

ACTORA ferruginea, n. s., fem. *Ferruginea, thorace trivittato, palpis fulvis, antennis pedibusque ferrugineis, tarsis piceis, alis subfulvis.*

Body ferruginous, thickly clothed with black hairs, partly adorned with a hoary bloom: sides of the face without bristles, excepting the stout black one on each at the base; epistoma not prominent: eyes red, tinged with green on the disk; the facets of moderate size: sucker and palpi tawny; sucker clothed with tawny hairs; palpi beset with black bristles: feelers bright ferruginous, much shorter than the face; third joint rounded, downy, forming two-thirds of a circle, a little longer than the second, which is clothed with short black hairs; bristle black, slender, downy, more than six times the length of the third joint; its second joint long, pitchy at the base: chest adorned with three slightly interrupted ferruginous stripes, the middle one very slender: abdomen very slightly tapering from the base to the tip, a little longer and narrower than the chest: legs ferruginous, very thickly clothed with black

ains; feet pitchy, excepting the base; claws black; foot-cushions wny: wings slightly tawny; wing-ribs tawny; veins pitchy, tawny wards the base; longitudinal veins straight; lower cross-vein a ttle oblique, very slightly curved outward, parted by much more an twice its length from the middle cross-vein and from the tip of e wing, and by near half its length from the hind border; poisers ight tawny. Length of the body 4 lines; of the wings 8 lines.

Nova Scotia. From Lieut. Redman's collection.

LUCINA, *Meigen.*

UCINA fasciata, *Meig. Dipt.* vi. 3, 1, *pl.* 55, *f.* 6—8. *Macq. Hist. Nat. Dipt.* ii. 409, 1.
England. Presented by F. Walker, Esq.

CAMAROTA, *Meigen.*

AMAROTA flavitarsis, *Meig. Dipt.* vi. 7, 1, *pl.* 55, *f.* 18—21. *Macq. Hist. Nat. Dipt.* ii. 560, 1.
Aix-la-Chapelle. Presented by F. Walker, Esq.

AMAROTA aurifrons, *Haliday, Ent. Mag.* i. 172.
England. Presented by F. Walker, Esq.

SCIOMYZA, *Fallen.*

Div. A. *Meig. Dipt.* v. 10.

CIOMYZA albocostata, *Fall. Sciom.* 12, 3. *Meig. Dipt.* vi. 12, 5. *Macq. Hist. Nat. Dipt.* ii. 405, 4, *pl.* 18, *f.* 13. *Zett. Ins. Lapp.* 738, 5. *Dipt. Scand*, v. 2098, 9.
England. Presented by F. Walker, Esq.
France.

CIOMYZA obtusa, *Fall. Sciom.* 13, 4. *Meig. Dipt.* vi. 12, 6.? *Zett. Ins. Lapp.* 737, 4. *Dipt. Scand.* v. 2999, 10.
England. Presented by F. Walker, Esq.
France.

Div. B. *Meig. Dipt.* v. 15.

CIOMYZA fuscipennis, *Meig. Dipt.* vi. 16, 15.
England. Presented by F. Walker, Esq.
———? From Mr. Children's collection.

Sciomyza cinerella, *Fall. Sciom.* 14, 8. *Meig. Dipt.* vi. 16, 16. *Macq. Hist. Nat. Dipt.* ii. 407, 11. *Zett. Ins. Lapp.* 739, 10. *Dipt. Scand.* v. 2118, 28.
a. England. Presented by F. Walker, Esq.
b. France.

Sciomyza ventralis, *Fall. Sciom.* 14, 9. *Meig. Dipt.* vi. 21, 29.
a. England. Presented by F. Walker, Esq.

Sciomyza Schönherri, *Fall. Sciom. Suppl.* ii. 13, 13. *Zett. Ins. Lapp.* 738, 8. *Dipt. Scand.* v. 2107, 16. S. monilis, *Meig. Dipt.* vi. 17, 18. *Macq. Hist. Nat. Dipt.* ii. 407, 12. Pherbellia vernalis? *Desv. Essai Myod.* 696, 1.
a. England.

Sciomyza nana, *Fall. Sciom.* 15, 12. *Meig. Dipt.* vi. 18, 18. *Macq. Hist. Nat. Dipt.* ii. 408, 14. *Zett. Dipt. Scand.* v. 2109, 18.
a. England. Presented by F. Walker, Esq.

Sciomyza fulvipennis, *Walker, Linn. Trans.* xvii. 359, 76.
a. Port Famine. Presented by the Entomological Club.

Sciomyza bicolor, *Walker, Linn. Trans.* xvii. 358, 75.
a. Port Famine. Presented by the Entomological Club.

Sciomyza nigripalpus, *Barnston's MSS.* *Fulva, abdominis apice flavo, palpis nigris, antennis pedibusque fulvis, tarsis obscuriorib us, alis subfulvis.*

Body tawny, beset with black hairs and bristles: head pale beneath; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets very small: sucker dark tawny, clothed with tawny hairs; palpi black, beset with black bristles: feelers bright tawny, as long as the face; third joint flat above, very slightly convex beneath, rounded at the tip, much more than twice the length of the second joint: abdomen slightly tapering from the base to the tip, yellow above towards the tip, narrower, but hardly longer than the chest: legs tawny, clothed with very short black hairs, beset with a few black bristles; feet darker; claws black; foot-cushions pale tawny: wings slightly tawny; wing-ribs and veins tawny; lower cross-vein straight, slightly oblique, parted by more than twice its length from the middle cross-vein, by about thrice its length from the tip of the wing, and by nearly half its

ngth from the hind border; poisers tawny. Length of the body 2 nes; of the wings 4½ lines.

. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CIOMYZA reversa, n. s., fem. *Fulva, crassa, capite nigro-cinereo, palpis antennis pedibusque fulvis, tarsis piceis, alis cinereis ad costam fulvis.*

Body thick, bright tawny: head and chest beset with black istles: head black, tinged with gray; two stout bristles on each le of the face at the base; a row of short bristles behind the eyes; les of the peristoma very bristly; epistoma not prominent: eyes d; fore part nearly flat, its facets a little larger than those elsehere: sucker pitchy, clothed with tawny hairs; palpi dark tawny, set with black bristles: feelers bright tawny, as long as the face; ird joint narrow, linear, about four times the length of the second, unded at the tip; bristle pitchy, very much longer than the third int, feathered on both sides to the tip with long hairs: abdomen conical, clothed with black hairs, equal to the chest in length and eadth: legs stout, tawny, beset with black hairs and bristles; feet tchy; claws black: wings gray, tawny along the fore border; ng-ribs and veins tawny; longitudinal veins straight; middle oss-vein straight, slightly oblique; lower cross-vein oblique, with very slight outward curve at each end and a larger inward curve the middle, parted by a little more than its length from the iddle cross-vein, by very much more than its length from the end the fourth longitudinal vein, which is far below the tip of the ing, and by a little more than half its length from the end of the th longitudinal vein; poisers tawny. Length of the body 2½ nes; of the wings 5 lines.

New Holland Presented by J. Hunter, Esq.

IOMYZA cinctipes, n. s., fem. *Ferruginea, crassa, capite abdominisque lateribus posticis nigris, palpis nigris, antennis piceis, pedibus fulvis, genubus tibiis tarsisque apice pedibusque anticis nigris, alis subcinereis ad costam fulvis.*

Body thick, ferruginous: head and chest beset with a few black istles: head black, with a row of short bristles behind each eye; e shining, its sides without bristles; epistoma not prominent: es red, convex; all the facets very small: sucker pitchy, clothed th tawny hairs; palpi black, beset with black bristles: feelers chy, much shorter than the face; third joint conical, longer than e second; bristle slender, downy, about thrice the length of the

third joint: abdomen obconical, not longer nor broader
chest, clothed with black hairs, black on each side toward
legs tawny, clothed with short black hairs; knees, tips of sl
feet black; foot-cushions tawny; fore legs black, with ta
wings slightly gray, tawny along the fore borders; wing
veins tawny; longitudinal veins straight, the fifth ceasi
diately after its junction with the lower cross-vein; mid
vein straight, slightly oblique; lower cross-vein obliqu
curved outward, parted by much more than twice its le
the middle cross-vein, by four times its length from the
fourth longitudinal vein, and by half its length from the
der; poisers tawny. Length of the body 2 lines; of th
lines.

a. New Holland. Presented by J. Hunter, Esq.

Sciomyza (n. g.?) obliqua, n. s. *Ferruginea, crassa, cap
pedibusque fulvis, antennis ferrugineis, alis fuscis
fulva.*

Body thick, ferruginous, clothed with short tawny ha
tawny; sides of the face without bristles; epistoma not pr
eyes pitchy, small, convex; all the facets very small: suck
clothed with pale hairs; palpi tawny, beset with black
feelers ferruginous, shorter than the face; third joint forn
thirds of a circle, a little longer than the second; bristle bl
slender, very much larger than the third joint: abdomen
not longer than the chest: legs tawny, clothed with sho
hairs; claws black: wings brown, tawny along the fore b
half the length from the base; wing-ribs and veins fer
fourth longitudinal vein forming a very obtuse angle at its
with the lower cross-vein, slender and slightly curved from
its tip, and apparently a continuation of the lower cross-ve
dle cross-vein straight, slightly oblique; lower cross-vein l
oblique, nearly straight, parallel to the hind border of
parted by hardly more than its length from the middle cros
a little less than its length from the end of the fourth lon
vein, and by less than half its length from the end of the
gitudinal vein; poisers pale yellow. Length of the body
of the wings 3 lines.

a. New Holland Presented by the Haslar Hospital.

Dacus, *Fabr.*

's Oleæ, *Meig. Dipt.* v. 22, 1, *pl.* 56, *f.* 11, 13. *Macq. Hist. Nat. Dipt.* 11, 451, 1. *Rossi Faun. Etrusc.* 2, 349, 1538. Musca Oleæ, *Fabr. Ent. Syst.* iv. 349, 152. Oscinis Oleæ, *Fabr. Syst. Antl.* 215, 3. *Coq. Illust. pl.* 24, *f.* 16. *Latr. Gen. Crust.* iv. 351. Brachyopa Oleæ, *Meig. Syst. Beschr.* iii. 264, 6. ance.

ly. From Mr. Birch's collection.

Group Senopterina, *Macq.*

s brevipes, *Weid. Auss. Zweif.* ii. 513, 1. Senopterina brevipes, *Macq. Hist. Nat. Dipt.* ii. 454, 1.

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s bicolor, n. s., mas. et fem. *Fulvus, capite ferrugineo, abdomine cyaneo-purpureo basi fulvo, palpis ferrugineis, antennis pedibusque fulvis, alis fulvis, apice fuscis, marginibus posticis cinereis.*

Head and chest tawny, beset with a few black bristles: head ginous above and in front; sides of the face without bristles; ma not prominent: eyes black; fore part flat, its facets much than those elsewhere: sucker pitchy, clothed with tawny ; palpi ferruginous, beset with black bristles: peristoma large; ws of the face tinged with white; feelers tawny, a little shorter the face; third joint about twice the length of the second, tag from the base to the tip, which is conical; bristle black, very er, tawny at the base, near which it has a few very short hairs, thrice the length of the third joint: chest clothed on each with some very short pale tawny hairs: abdomen bluish-purple, le-shaped, tawny at the base, a little narrower and longer than nest: oviduct short, pitchy towards the tip: legs tawny, clothed very short pale yellow hairs; feet darker towards the tips; black; foot-cushions pale dull yellow; thighs armed beneath ds the tips with a double row of short black spines; wings , gray along the hind borders; a large dark brown spot near p of each fore border; wing-ribs and veins tawny, the latter in the brown parts of the wing; longitudinal veins nearly ht, middle cross-vein straight, upright; lower cross-vein almost ht, nearly upright, parted by less than thrice its length from iddle cross-vein by much more than thrice its length from the f the fourth longitudinal vein, and by less than half its length the end of the fifth longitudinal vein; poisers pale yellow,

tawny at the base; scales white, of moderate size, fring white hairs, the lower extending a little beyond the upper. of the body 3½—4 lines; of the wings 7 lines.

a. ——— ?

Dacus basalis, n. s. *Cyaneo viridis, capite fulvo supra nigro, oculorum marginibus facieque albis, abdomine b fulvo, palpis fulvis, antennis pedibusque ferrugineis, cinereis, costa nervisque transversis fusco nebulosis.*

Body bluish-green: head tawny, black beneath an crown; a white stripe along each eye; face white, its side bristles; epistoma prominent: eyes pitchy; fore part flat, much larger than those elsewhere: sucker black, clothed w hairs; palpi tawny, rather large, beset with black bristle ferruginous, full as long as the face; third joint linear pitchy towards the tip, more than four times the lengt second; bristle slender, black, bare, tawny towards the ba longer than the third joint: chest covered with whitish bl domen linear, tawny towards the base beneath, much lo narrower than the chest: legs ferruginous, clothed with black hairs; feet pitchy towards the tips; claws black; foot tawny: wings slightly gray, brown along the fore border one-third of the length to the tip; middle and lower c clouded with brown, which has the darkest hue on the form ribs ferruginous; veins pitchy, ferruginous towards the bas tudinal veins nearly straight; middle cross-vein very obliq cross-vein nearly upright, parted by little less than its le the middle cross-vein, by much more than its length from the wing, and by little more than one-fourth of its length hind border; poisers pale tawny. Length of the body 2¾ the wings 5 lines.

a. Port Essington. From Mr. Gould's collection.
b. ——— ?

Dacus trivittatus, n. s., mas. *Piceus, capite flavo vitta pic thorace flavo trivittato, abdominis apice ferrugineo, pal antennis fulvis articulo 3° supra piceo, pedibus piceis sisque posticis femoribusque fulvis, alis limpidis ad cost*

Body pitchy, clothed with very short yellow hairs: chest beset with a few black bristles: head yellow; a broa stripe on the crown; furrows of the face black, its side bristles; epistoma slightly prominent: eyes pitchy; fore its facets much larger than those elsewhere: sucker pitchy

tawny hairs: palpi pale brown: feelers tawny, as long as the ; third joint pitchy above, nearly four times the length of the nd, very slightly tapering from the base to the tip, which is ewhat obliquely truncated; bristle pitchy, very slender, downy ıear the tip, tawny at the base, less than twice the length of the l joint: chest adorned with three very broad yellow stripes: ab- en spindle-shaped, ferruginous towards the tip, a little narrower not longer than the chest: legs pitchy, clothed with very short ›w hairs, beset with black bristles; hips, thighs, hind shanks and feet tawny; claws black: wings colourless, brown along the border; wing-ribs and veins tawny; upper basal cross-vein ght; lower basal cross-vein oblique, a little nearer the base of ving than the other; middle cross-vein straight, slightly oblique, r cross-vein nearly upright, straight, excepting a very slight ard curve along half the length from the base, parted by much than its length from the middle cross-vein, by full twice its th from the tip of the wing, and by near half its length from the border; poisers ferruginous. Length of the body 3½ lines; of wings 6 lines.

'hilippine Islands. From Mr. Wood's collection.

ıus ferrugineus, *Fabr. Syst. Antl.* 274, 5. *Weid. Auss. Zweif.* ii. 516, 5. Musca ferruginea, *Fabr. Ent. Syst.* iv. 342, 127.

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DASYNEURA, *Saunders, Trans. Ent. Soc.* iii. 60.

YNEURA caudata? Dacus caudatus? *Fabr. Syst. Antl.* 276, 16. *Wied. Auss. Zweif.* ii. 518, 8. *Ferruginea, capite fulvo, facie flava maculis duabus nigris ornata, thorace trivittato flavo bimaculato, lateribus flavo vittatis, pectoris maculis quatuor scutelloque flavis, abdomine flavo piceoque vario, palpis flavis, antennis pedibusque fulvis his ferrugineo variis, alis limpidis costa vitta postica basi apiceque fuscis.*

Fem.—Body ferruginous, clothed with very short pale hairs: head chest beset with a few black bristles: head tawny; face yellow, rned in front with two black spots, its sides without bristles; toma slightly prominent; eyes pitchy; fore part nearly flat, its ts larger than those elsewhere: sucker and palpi clothed with rt pale hairs; sucker ferruginous; palpi yellow, stout, curved: ers tawny, full as long as the face; third joint slender, straight eath, very slightly concave above, rounded and pitchy at the tip,

of the second: chest and breast gray; fore part of the latte
shoulders, a stripe on each side of the chest, scutcheon, and
lique band on each side of the breast yellow: abdomen tawn
oval, broader but hardly longer than the chest, adorned
pitchy bands, which have a broader yellow band between
pitchy stripe proceeds from the hinder band to the tip of t
men: hind shanks brown towards the tips: stripes of
tawny, the upper one ceases at three-fourths of the leng
wing, the lower accompanies the sixth longitudinal vein a
its length; a brown spot at the tip of each wing; longitud
nearly straight; lower basal cross-vein approaching very
sixth longitudinal vein, which it accompanies for half the
the latter, from thence to the hind border before their
middle cross-vein oblique, slightly curved inward till near
where it is curved outward; lower cross-vein a little oblique
two very slight angles (the lower inward, the upper outward
by more than its length from the middle cross-vein, by m
than its length from the tip of the wing, and by less t
fourth of its length from the hind border.

a. North Bengal. From Miss Campbell's collection.

Dasyneuba nebulosa, n.s., mas. *Ferruginea, facie nigro l
ta, thorace pectoreque nigro variis, abdominis lateri
antennis ferrugineis, palpis pedibusque fulvis, alis limpi
nebulosis ad costam obscurioribus.*

Body ferruginous, dull, thinly clothed with very sho
hairs: head and chest beset with a few black bristles; furro
face shining, each adorned with a black spot; sides without
epistoma not prominent: eyes pitchy: fore part flat, its fac
than those elsewhere; sucker pitchy, clothed with tawn
palpi tawny, broad: feelers ferruginous, as long as the fa
joint dark ferruginous, about twice the length of the second
tapering from the base to the tip, which is conical; bristl
bare, very slender, pale tawny towards the base, less than
length of the third joint: an indistinct black stripe on the
of the chest, which on each side has a black band commu
with the black disk of the breast; hind chest black: abdom
tical, a little longer and narrower than the chest, somewh
on each side: legs tawny, clothed with very short yello
claws black, tawny at the base; fore feet dark tawny tow
tips: wings colourless, brown along the fore borders, pale
including some colourless streaks on the disk: a slight brow
along the sixth longitudinal vein; wing-ribs and veins taw
per basal cross-vein a little oblique, very slightly curved c

: basal cross-vein slanting towards the base of the wing till it
›aches the sixth longitudinal vein, which, forming a right angle,
›ompanies in a waving line towards the hind border; middle
·vein oblique, having two curves, the lower outward, shorter,
nore distinct than the other, which is inward; lower cross-vein
ly oblique, nearly straight, parted by rather more than its
h from the middle cross-vein, by twice its length from the tip of
ing, and by hardly one-fourth of its length from the hind bor-
poisers pale yellow, tawny at the base. Length of the body 3
; of the wings 6 lines.

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PLATYCEPHALA, *Fallen.*

ycephala umbraculata, *Meig. Dipt.* vi. 26, 2. *Macq. Hist.*
Nat. Dipt. ii. 427, 2. Musca umbraculata, *Fabr. Ent. Syst.*
v. 348, 148. Oscinis umbraculata, *Fabr. Syst. Antl.* 215, 2.
Platycephala agrorum, *Fall. Oscinid*, 2, 2.
igland. Presented by J. C. Dale, Esq.

SEPEDON, *Latreille.*

›on sphegeus *Fall. Sciom.* 2, 1. *Meig. Dipt.* vi. 28, 1. *Macq.*
Hist. Nat. Dipt. ii. 363, 1, *pl.* 17, *f.* 16. *Zett. Dipt. Scand.* v.
1120, 1. Syrphus sphegeus, *Fabr. Sp. Ins.* ii. 429, 40. *Ent.*
Syst. iv. 298, 72. Mulio sphegeus, *Fabr. Ent. Syst. Suppl.*
59, 9. *Panz. Faun. Germ.* 77, 21. Baccha sphegea, *Fabr.*
Syst. Antl. 199, 1. Scatophaga rufipes, *Fabr. Syst. Antl.* 207,
8. Musca sphegea, *Gmel. Ed. Syst. Nat.* i, 5, 2873, 351.
Stew. El. 265. *Turt.* iii. 646. M. flavipes, *Schrank, Faun.*
Boic. iii. 2458. Mulio dentipes, *Schell. Mouch. pl.* 16. Musca
ufipes, *Panz. Faun. Germ.* 60, 23. M. simulator, *Harr. Ex.*
52, *pl.* 45, *f.* 77. Sepedon palustris, *Latr. Hist. Nat. Cr.* xiv.
86. *Gen. Crust.* iv. 350. *Cons. Gén.* 444. S. Pseudo-acori,
Desv. Essai Myod. 677, 1.
gland.
ance.

›on Hæffneri, *Fall. Sciom.* 3, 2. *Meig. Dipt.* vi. 29, 2, *pl.* 56,
. 22. *Macq. Hist. Nat. Dipt.* ii. 363, 3. *Zett. Dipt. Scand.* v.
1121, 2. S. aquaticus, *Desv. Essai Myod.* 678, 4. S. ferrugi-
gineus, *Leon-Dufour, Ann. Sci. Nat.* xxx. 10, 12, *pl.* 17, *f.* 7.
igland.

Sepedon javanensis, *Desv. Essai Myod.* 677, 2. *Macq. Dipt. Exot.* ii. 3, 177, 2, *pl.* 24, *f.* 2.
a. Java. From Mr. Argent's collection.

Sepedon ferruginosus, *Wied. Auss. Zweif.* ii. 577. 1.
a. ———?

Sepedon macropus, n. s., mas. *Ferrugineus, capite nigro bimaculato, thorace subcrittato, pectore albo micante, abdomine piceo, palpis flavis apice piceis, antennis piceis basi fulvis apice nigris, pedibus fulvis, femoribus tibiisque apice piceis, tarsis anticis nigris posterioribus ferrugineis apice piceis, pedibus posticis longis piceo variis, alis fuscis.*

Body ferruginous: head with a black spot on each side between the eyes and the feelers; sides of the face without bristles; epistoma not prominent; peristoma slightly lengthened: eyes pitchy, convex; all the facets of moderate size: sucker pitchy, clothed with pale yellow hairs; palpi yellow, with pitchy tips, beset with a few black bristles: feelers longer than the head; first joint short, tawny; second pitchy, more than five times the length of the first, thickly clothed with short black hairs, slightly increasing in depth towards the tip; third black, deeper than the second, and full half its length, straight beneath, concave above from half the length to the tip, which is obliquely truncated; bristle downy, pitchy, and stout for half the length from the base, slender and white from thence to the tip, rather shorter than the second joint: chest indistinctly striped; breast adorned with white lustre: abdomen elliptical, pitchy, a little longer and broader than the chest: legs tawny; tips of the thighs and of the shanks pitchy; fore feet black; four hinder feet ferruginous with pitchy tips: hind legs very long, their thighs beset beneath with short black spines and adorned with a pitchy band near the tips, their shanks slightly curved, pitchy, with the exception of a tawny band near the tips; foot-cushions yellow; claws black: wings brown, darkest along the fore borders; wing-ribs tawny; veins black, tawny at the base; lower cross-vein slightly curved outward, parted by more than thrice its length from the middle cross-vein and from the tip of the wing, and by one-third of its length from the hind border; poisers yellow, with pitchy knobs. Length of the body 3 lines; of the wings 6 lines.

a. Jamaica. From Mr. Gosse's collection.

EPEDON Crishna, n. s., mas. *Ferruginea, capite antico fulvo, thoracis disco abdomineque nigris, palpis fulvis, antennis piceis basi ferrugineis, pedibus piceis, tibiis posticis femoribusque ferrugineis, alis fuscis ad costam subfulvis.*

Body ferruginous: head and chest beset with very few black ristles: head tawny in front; sides of the face without bristles; eristoma advanced; epistoma not prominent: eyes pitchy, convex; l the facets very small: sucker pitchy, clothed with tawny hairs; ilpi tawny: feelers pitchy, longer than the head; first joint ferruinous, very short; second joint clothed with black hairs, tawny at e base, about four times the length of the first; third joint coniil, pointed at the tip, ferruginous at the base, less than half the ngth of the second; bristle pale yellow, stout, downy, not longer an the third joint: disk of the chest black: abdomen black, indle-shaped, a little narrower but not longer than the chest: legs itchy; hips tawny; thighs ferruginous; claws black; foot-cushions all pale yellow; hind thighs stout, tawny at the base, armed beeath with a double row of black spines, which increase in length wards the tips; hind shanks ferruginous, slightly curved, pitchy the tips: wings brown; a tawny tinge along the fore border; ing-ribs and veins dark tawny; longitudinal veins straight; a rown spot on part of the middle cross-vein, which is short, straight nd slightly oblique; lower cross-vein upright, with two hardly perptible curves, the lower outward, the upper inward, parted by ore than twice its length from the middle cross-vein and from the p of the wing, and by more than half its length from the hind order; poisers pitchy, Length of the body 3½ lines; of the wings ½ lines.

. Nepaul. From the Hardwicke bequest.

DORYCERA, *Meigen.*

DORYCERA graminum, *Meig. Dipt.* vi. 30, 1, *pl.* 57, *f.* 1—5. *Macq. Hist. Nat. Dipt.* ii. 428, 1. Musca graminum, *Fabr. Ent. Syst.* iv. 346, 143. Musca, &c., *Geoff. Ins.* ii. 504, 25. Scatophaga graminum, *Fabr. Syst. Antl.* 205, 8. Dictya graminum, *Latr. Hist. Nat. Crust.* xiv. 384. Tetanocera graminum, *Latr. Gen. Crust.* iv. 351. *Coq. Illust. pl.* 24, *f.* 11. Oscinis thamnicola, *Desv. Essai Myod.* 712, 1.

. England. Presented by F. Walker, Esq.
. France.
. ——? From Mr. Children's collection.

SEPEDON javanensis, *Desv. Essai Myod.* 677, 2. *Macq. Di*
ii. 3, 177, 2, *pl.* 24, *f.* 2.
a. Java. From Mr. Argent's collection.

SEPEDON ferruginosus, *Wied. Auss. Zweif.* ii. 577. 1.
a. ——— ?

SEPEDON macropus, n. s., mas. *Ferrugineus, capite nigro bi thorace subvittato, pectore albo micante, abdomine pi flavis apice piceis, antennis piceis basi fulvis apice nigr fulvis, femoribus tibiisque apice piceis, tarsis anticis nig oribus ferrugineis apice piceis, pedibus posticis longis p alis fuscis.*

Body ferruginous: head with a black spot on eac tween the eyes and the feelers; sides of the face withou epistoma not prominent; peristoma slightly lengthened: e convex; all the facets of moderate size: sucker pitchy, cl pale yellow hairs; palpi yellow, with pitchy tips, beset black bristles: feelers longer than the head; first joint sh second pitchy, more than five times the length of the fi clothed with short black hairs, slightly increasing in dep the tip; third black, deeper than the second, and fu length, straight beneath, concave above from half the le tip, which is obliquely truncated; bristle downy, pitchy, for half the length from the base, slender and white fro the tip, rather shorter than the second joint: chest i striped; breast adorned with white lustre: abdomen pitchy, a little longer and broader than the chest: legs t of the thighs and of the shanks pitchy; fore feet black; feet ferruginous with pitchy tips: hind legs very long, beset beneath with short black spines and adorned wit band near the tips, their shanks slightly curved, pitchy, w ception of a tawny band near the tips; foot-cushions yel black: wings brown, darkest along the fore borders; tawny; veins black, tawny at the base; lower cross-ve curved outward, parted by more than thrice its length fro dle cross-vein and from the tip of the wing, and by one- length from the hind border; poisers yellow, with pit Length of the body 3 lines; of the wings 6 lines.

a. Jamaica. From Mr. Gosse's collection.

'EDON Crishna, n. s., mas. *Ferruginea, capite antico fulvo, thoracis disco abdomineque nigris, palpis fulvis, antennis piceis basi ferrugineis, pedibus piceis, tibiis posticis femoribusque ferrugineis, alis fuscis ad costam subfulvis.*

Body ferruginous: head and chest beset with very few black tles: head tawny in front; sides of the face without bristles; stoma advanced; epistoma not prominent: eyes pitchy, convex; he facets very small: sucker pitchy, clothed with tawny hairs; ɔi tawny: feelers pitchy, longer than the head; first joint ferruɔus, very short; second joint clothed with black hairs, tawny at base, about four times the length of the first; third joint conipointed at the tip, ferruginous at the base, less than half the ;th of the second; bristle pale yellow, stout, downy, not longer ı the third joint: disk of the chest black: abdomen black, ıdle-shaped, a little narrower but not longer than the chest: legs hy; hips tawny; thighs ferruginous; claws black; foot-cushions pale yellow; hind thighs stout, tawny at the base, armed beth with a double row of black spines, which increase in length ırds the tips; hind shanks ferruginous, slightly curved, pitchy he tips: wings brown; a tawny tinge along the fore border; g-ribs and veins dark tawny; longitudinal veins straight; a vn spot on part of the middle cross-vein, which is short, straight slightly oblique; lower cross-vein upright, with two hardly perıible curves, the lower outward, the upper inward, parted by 'e than twice its length from the middle cross-vein and from the of the wing, and by more than half its length from the hind ler; poisers pitchy, Length of the body 3½ lines; of the wings ıines.

Nepaul. From the Hardwicke bequest.

DORYCERA, *Meigen.*

RYCERA graminum, *Meig. Dipt.* vi. 30, 1, *pl.* 57, *f.* 1—5. *Macq. Hist. Nat. Dipt.* ii. 428, 1. Musca graminum, *Fabr. Ent. Syst.* iv. 346, 143. Musca, &c., *Geoff. Ins.* ii. 504, 25. Scatophaga graminum, *Fabr. Syst. Antl.* 205, 8. Dictya graminum, *Latr. Hist. Nat. Crust.* xiv. 384. Tetanocera graminum, *Latr. Gen. Crust.* iv. 351. *Coq. Illust. pl.* 24, *f.* 11. Oscinis thamnicola, *Desv. Essai Myod.* 712, 1.

England. Presented by F. Walker, Esq.

France.

———? From Mr. Children's collection.

TETANOCERA umbrarum, *Fall. Sciom.* 77. *Meig. Dipt.* v
Zett. Ins. Lapp. 741, 5. *Loew, Ent. Zeit. Stett.* vii
3, A.) Musca umbrarum, *Linn. Syst. Nat.* ii. 9
Faun. Suec. 1864. Scatophaga gemmata, *Ahrens.*
21.

a. England. Presented by the Entomological Club.
b. England. Presented by J. C. Dale, Esq.
c. France. From Mr. Children's collection.

b. *Meig.*

TETANOCERA ferruginea, *Fall. Sciom.* 9, 9. *Meig. Di*
12. *Macq. Hist. Nat. Dipt.* ii. 370, 15. *Zett. Ins.*
7. *Dipt. Scand.* v. 2137, 11. *Loew, Ent. Zeit.*
197, 2. (Group 4.) T. stictica? *Desv. Essai Myod.*

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. ——? From Mr. Children's collection.

TETANOCERA elata, *Fall. Sciom.* 9, 10. *Meig. Dipt.*
pl. 57, *f.* 16. *Macq. Hist. Nat. Dipt.* ii. 370, 17.
Lapp. 741, 9. *Dipt. Scand.* v. 2139, 13. *Loew,*
Stett. viii. 200, 6. (Group 4.) Musca elata, *Fabr.*
441, 27. *Ent. Syst.* 322, 44. *Syst. Antl.* 297, 6
Ed. Syst. Nat. i. 5, 2842, 188. Volucella elata.
Faun. Boic. iii. 2493. Tetanocera marginella, *L*
Myod. 682, 3.

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. ——? From Mr. Children's collection.
d. France.
e. North America. Presented by the Entomological Cl
f. Nova Scotia. From Lieut. Redman's collection.
g. St. Martin's Falls, Albany River, Hudson's Bay. P
G. Barnston, Esq.

TETANOCERA sylvatica, *Meig. Dipt.* vi. 41, 15. *Macq.*
Dipt. ii. 371, 18. *Zett. Ins. Lapp.* 742, 10. *Dipt*
2139, 14. *Loew. Ent. Zeit. Stett.* viii. 199. (Gro
ferruginea, var. minor, *Fall. Sciom.* 9, 9.

a. England.
b. ——? From Mr. Children's collection.

Div. B. *Meig.*

a. *Meig.*

Group Chione, *Desv. Essai Myod.* 679.

NOCERA aratoria, *Meig. Dipt.* vi. 42, 16, *pl.* 58, *f.* 17. *Macq. Hist. Nat. Dipt.* ii. 371, 19. *Zett. Ins. Lapp.* 742, 12. *Loew, Ent. Zeit. Stett.* viii. (Group 5.) Musca aratoria, *Fabr. Ent. Syst.* iv. 344, 132. *Syst. Antl.* 306, 113. M. rufifrons? *Panz. Faun. Germ.* 44, 24. Tetanocera interstincta, *Fall. Sciom.* 10, 12. Chione communis, *Desv. Essai Myod.* 680, 1.
ngland. Presented by F. Walker, Esq.
ngland. Presented by F. Walker, Esq.
—— ? From Mr. Children's collection.

NOCERA lineata, *Fall. Sciom.* 11, 4. *Meig. Dipt.* vi. 43, 18. *Zett. Dipt. Scand.* v. 2144, 18. *Loew, Ent. Zeit. Stett.* viii. (Group 5.) Musca rufifrons? *Panz. Faun. Germ.* 44, 14.
ngland.
—— ? From. Mr. Children's collection.

NOCERA cucullaria, *Meig. Dipt.* vi. 44, 19. *Macq. Hist. Nat. Dipt.* ii. 366, 2. *Loew, Ent. Zeit. Stett.* viii. (Group 5.) Musca cucullaria, *Linn. Syst. Nat. Ed.* xii. 2, 995, 103. *Gmel. Ed. Syst. Nat.* i. 5, 2853, 103. *Turt.* iii. 615.
ngland. Presented by F. Walker, Esq.
ngland. Presented by F. Walker, Esq.
—— ? From Mr. Children's collection.

NOCERA rufa, *Loew. Dipt. Beitr. Posen*, 1845, 42, 6. *Ent. Zeit. Stett.* viii. (Group 5.) *Zett. Dipt. Scand.* v. 2141, 15. Musca cucullaria, *Fabr. Sp. Ins.* ii. 449, 71. *Ent. Syst.* iv. 345, 136. M. rufa, *Panz. Faun. Germ.* 54, 17. Scatophaga cucullaria, *Fabr. Syst. Antl.* 204, 2? Tetanocera cucullaria, *Fall. Sciom.* 9. 11. *Zett. Ins. Lapp.* 742, 11.
ngland.
—— ? From Mr. Children's collection.

NOCERA guttularis, *Weid. Auss. Zweif.* ii. 584. 3.
orth America. Presented by the Entomological Club.
ew York. Presented by E. Doubleday, Esq.

NOCERA canadensis, *Macq. Dipt. Exot.* ii. 3, 181, 4, *pl.* 24, *f* 5.
orth America. Presented by the Entomological Club.
lorida. Presented by E. Doubleday, Esq.
ew York. Presented by E. Doubleday, Esq.
eorgia. From Mr. Abbot's collection.

TETANOCERA Sigma, *White, Zool. Voy. Erebus and Terror. Fe ruginea, capite supra fulvo, thorace quadrivittato, palpis nig antennis pedibusque ferrugineis, alis cinereis ad costam fu fusco novem-maculatis, nervo transverso contorto.*

Body ferruginous, thinly clothed with black hairs and bristl crown and hind part of the head beset with black bristles; cro bright tawny, with the exception of a narrow ferruginous stripe tween the eyelets and the base of the feelers; face large, flat, sil white, with a yellow tinge, having four little black hairs on e side: eyes black; fore part red, rather flat, composed of much la facets than those elsewhere: sucker black, clothed with tawny ha palpi black, beset with black bristles: feelers ferruginous, nearly long as the face; second joint thickly beset with black brist third conical, a little broader but hardly longer than the seco dark ferrruginous, except at the base; bristle black, tawny at base, feathered with short hairs, much more than twice the length the third joint: crown concave in the middle, convex and fer ginous on each side: fore border of the chest with four indisti darker stripes; breast paler than the chest: abdomen linear, a li longer and narrower than the chest: less ferruginous, rather thi clothed with short black hairs, beset with a few black bristles; cla black: wings gray, tawny for half the breadth beneath the fore b der, adorned with nine brown spots, of which five are along the f border, one on the middle cross-vein, one at each end of the lo cross-vein, and one on the fourth vein, at a short distance from tip; the second and third of those on the fore border are close gether, and each is rather smaller than the first, but larger than fourth; the fifth is larger than any of the preceding; wing-d tawny; veins black, tawny at the base; lower cross-vein curved i the form of a 8; poisers pale tawny. Length of the body 3½ lin of the wings 7 lines.

a. New Zealand. From Mr. Earl's collection.

TETANOCERA nova, n. s., mas. et fem. *Ferruginea, capite supra fu antice flavo maculis fuscis ornato, abdominis apice nigro fasci palpis nigris, antennis piceis, pedibus ferrugineis, femoribus tib que apice piceis, tibiis basi piceo fasciatis, genubus flavis, a subcinereis, nervo transverso fusco marginato.*

Body ferruginous, thinly clothed with black hairs and bristle head tawny on the crown, yellowish white around the eyes, yell and prominent in front; a brown spot on each side of the face; t paler and more irregular spots on each side of the peristoma; si of the face without bristles; epistoma not prominent; sides of th peristoma very prominent: eyes red, convex; facets rather larg

ecially those on the fore part: sucker tawny, clothed with tawny ıs; palpi black, beset with black bristles: feelers pitchy, much rter than the face, which has two deep grooves to receive them; ond joint ferruginous; third conical, not longer than the second, ich it joins obliquely; bristle tawny, bare, more than thrice the gth of the third joint: chest adorned with five indistinct hoary ipes: abdomen a little longer and narrower than the chest, rather ckly beset with black bristles on each side, towards the tip bright ruginous, shining, and adorned with a black band: legs ferruıous, clothed with black hairs and bristles; tips of thighs and of ınks pitchy; knees yellow; a pitchy band at the base of each ınk; foot-cushions yellow; tips of the claws black: wings very le gray; wing-ribs and veins tawny; middle cross-vein slightly ıded with brown; lower cross-vein with two very slight curves, e lower inward, the upper outward, more indistinct than the other; isers tawny. Length of the body 4 lines; of the wings 9 lines.

New Holland. Presented by the Entomological Club.

ITANOCERA angulifera, n. s. *Fusca, capite fulvo albo micante facie verticeque maculis nigris ornatis, thoracis lateribus flavo vittatis, palpis flavis apice piceis, antennis piceis basi fulvis, pedibus fulvis.*

Body brown, adorned with tawny bloom, beset with some black istles: head tawny above, adorned beneath with white lustre; face hitish, with a black spot on the disk, and one at the base of each eler; its sides without bristles; epistoma not prominent; two ack spots on each side of the crown: eyes red; the facets very ıall: sucker pitchy, clothed with tawny hairs: palpi yellow with tchy tips, beset with black bristles: feelers pitchy, a little longer an the head; first and second joints tawny; second clothed with ack hairs, more than twice the length of the first; third as long the second, very slightly convex beneath, slightly concave above ong half the length from the tip, which is truncated; bristle stout, ıwny along half the length, white and slender from thence to the p, proceeding from very near the base of the third joint, and about vice its length; first and second joints long: a yellow stripe along ıch side of the chest: abdomen slightly spindle-shaped, a little ıger but not narrower than the chest: legs tawny, clothed with hort black hairs, beset with very few black bristles; knees, feet, and ps of shanks pitchy; claws black; foot-cushions pale tawny: wings ray, brown along the fore border, fully studded with little colourless pots, which are disposed in eight longitudinal rows; there are also ome brown spots along the middle part of the fourth longitudinal ein; wing-ribs and veins pitchy; longitudinal veins straight; mid-

dle cross-vein straight, short, slightly oblique; lower c
straight along the upper half of its course, and then forn
angles (the upper outward and slightly obtuse, the lower in
very obtuse), parted by full twice its length from the middle c
and from the tip of the wing, and by less than half its len
the hind border; poisers tawny. Length of the body 2¼—
of the wings 4½—5 lines.

a. Monte Video. Presented by C. Darwin, Esq.

TETANOCERA Struthio, *Barnston's MSS.*, mas et fem. *F*
capite fulvo lateribus nigro bimaculatis, facie palpisq
thorace flavo quadrivittato, antennis fulvis, pedibus flari
bus anticis apice tarsisque piceis, alis fulvis costa venis
versis fusco nebulosis.

Body ferruginous: head and chest beset with a few st
bristles; head bright tawny, adorned with a black spot on
between the feelers and the eyes; face pale yellow; its side
bristles; epistoma slightly prominent: eyes black, convex,
very small: sucker ferruginous, clothed with tawny hai
yellow, beset with black bristles: feelers bright tawny, as l
head; first joint very short; second beset with black hairs
tles, increasing in breadth from the base to the tip, more t
the length of the first; third a little longer than the secon
beneath, forming an angle above at the insertion of t
whence it abruptly tapers to the tip; bristle black, stou
longer than the third joint, from which it proceeds at or
the length from the base, thickly feathered to the tip with r
black hairs: chest adorned with four pale yellow stripes
and the breast tinged with pale yellow: abdomen near
thinly clothed with black hairs, a little narrower and mu
than the chest: legs yellow, beset with black hairs and
shanks darker than the thighs; feet and tips of the f
pitchy: claws black: wings tawny, brown along the fo
cross-veins clouded with brown; wing-ribs and veins tawn
tudinal veins straight; middle cross-vein straight; lower
parted by near twice its length from the middle cross-vein
the end of the fourth longitudinal vein, and by nearly half
from the end of the fifth longitudinal vein, having two c
upper outward, much larger than the other, which is inwar
pale tawny. Length of the body 4 lines; of the wings 7 l

Var. *β.* Two rudiments of veins clouded with brown on
longitudinal vein between the cross-veins.

a. St. Martin's Falls, Albany River, Hudson's Bay. Pre
G. Barnston, Esq.
b. North America. Presented by the Entomological Club

Group Phrosia, *Desv. Essai Myod.* 668.
Group Delina, *Desv. Essai Myod.* 669.
Group Volusia, *Desv. Essai Myod.* 674.
Group Sargella, *Desv. Essai Myod.* 674.
Group Myopina, *Desv. Essai Myod.* 675.
Group Cylidria, *Desv. Essai Myod.* 678.
Group Retellia, *Desv. Essai Myod.* 683.
Group Salticella, *Desv. Essai Myod.* 683.
Group Hydromya, *Desv. Essai Myod.* 691.
Group Dyctia, *Desv. Essai Mysod.* 692.
Group Melina, *Desv. Essai Myod.* 695.
Group Arina, *Desv. Essai Myod.* 696.
Group Chetocera, *Desv. Essai Myod.* 697.
Group Herbina, *Desv. Essai Myod.* 698.

OXYCEPHALA, *Macquart.*

:EPHALA fuscipennis, *Macq. Dipt. Exot.* ii. 3, 198, *pl.* 26, *f.* 6.
Sphecomya undata, *Harr. Cat. Ins. Massach.*
orth America. Presented by the Entomological Club.

:EPHALA nigripennis. Myopa nigripennis, *G. R. Gray*, *Griff. Anim. Kingd. pl.* 125, *f.* 5.
——?

'EPHALA latipennis, n. s., fem. *Ferruginea, capite fulvo, scutello ıbdominisque lateribus basi fulvis, palpis flavis, antennis ferru-ɿineis, pedibus fulvis, alis subcinereis ad costam fulvis apice ʃuscis.*

Body ferruginous, thinly clothed with very short yellow hairs: and chest beset with a few black bristles: head tawny, with a w on each side of the crown; a punctured space on each side ɔen the eyes and the sides of the face, the latter without bristles: ɔma not prominent: eyes pitchy; all the facets large: sucker ɿ, clothed with tawny hairs; palpi yellow, rather large, beset black bristles: feelers bright ferruginous, lodged in rather deep ws of the face, which they slightly exceed in length; first joint y linear; second increasing in depth from the base to the tip,

clothed with black hairs, about twice the length of the third conical, as long as the second and a little darker; bri yellow, slender, bare, near thrice the length of the third join and breast with a hoary tinge; scutcheon tawny; abdomen shaped, a little longer than the chest, tawny on each side of somewhat pitchy on the borders of the segments: leg clothed with very short yellow hairs; tips of the claws blac very slightly gray, tawny along the fore borders; a large br just above each tip; wing-ribs and veins ferruginous, t pitchy here and there; upper basal cross-vein straight, oblique; lower basal cross-vein much curved inward, a litt the base than the other; middle cross-vein pitchy, sho straight, upright; lower cross-vein nearly upright, with a ha ceptible inward curve, parted by much less than its length middle cross-vein, by a little more than its length from th the fourth longitudinal vein, and by little more than one- its length from the end of the fifth longitudinal vein; poise Length of the body 6 lines; of the wings 12 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

HETEROMYZA, *Fallen*.

Group I.

HETEROMYZA oculata, *Fall. Heterom.* 2, 1. *Meig. Dipt.* *Hal. Ent. Mag.* i. 168. *Macq. Hist. Nat. Dipt.* ii. 41

a. England.

HETEROMYZA buccata, *Fall. Heterom.* 2, 2. *Meig. Dipt.* *Zett. Ins. Lapp.* 763, 1. H. atricornis? *Meig. Dipt.* Actora buccata, *Hal. Ent. Mag.* i. 168.

a. England.
b. France.
c. Sweden. Presented by the Entomological Club.
d. Lapland. Presented by the Entomological Club.
e. Nova Scotia. From Lieut. Redman's collection.
f. Alten. Presented by F. Walker, Esq.

HETEROMYZA eriphides, *Barnston's MSS.*, mas. *Fusca, ca ferrugineo subtus albo, facie fulva, pectore albo, ventre tennis piceis, palpis pedibusque fulvis, tarsis piceis, alis*

Body brown, clothed with black hairs and bristles: fa its sides without bristles; epistoma not prominent; a wh on each side of the face; under side of the head white; cr

ıginous; eyes red, whole of the fore part nearly flat, composed ıuch larger facets than those elsewhere: sucker pitchy, clothed tawny hairs; palpi tawny, beset with black bristles: chest dark 'n, its sides paler; breast white: feelers pitchy, a little shorter the face; third joint conical, deep, about twice the length of ıecond joint, which is cup-shaped: abdomen dark brown, linear, er and narrower than the chest, its sides paler and rather ıly clothed with long black hairs; underside hoary: legs dark ıy, clothed with very short black hairs; thighs with a hoary e; feet pitchy, tawny at the base; claws black; foot-cushions ıy: wings brown, long; wing-ribs tawny; veins black, tawny rds the base; lower cross-vein very slightly curved inward, ıted near the border, and about thrice its length distant from the lle cross-vein; scales gray, with tawny borders, very small; ers tawny. Length of the body 2 lines; of the wings 5 lines.

t. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

EROMYZA flavipes, *Barnston's MSS. Cinereo-nigra, capite ferrugineo albo micante, thorace fusco trivittato, pectore cano, antennis ferrugineis, palpis pedibusque fulvis, tarsis nigris, alis cinereis.*

Body black, with a gray covering, thinly clothed with black ; and bristles: head ferruginous, gray behind; sides of the n and front adorned with white lustre; sides of the face with- bristles; epistoma not prominent: eyes red, not hairy; fore part er flat; all the facets very small: sucker black, clothed with ıy hairs: palpi tawny, beset with black bristles: feelers ferru- us, a little shorter than the face; third joint nearly round, a lit- longer than deep, more than twice the length of the second; le black, slender, almost bare, more than twice the length of the l joint; chest adorned with three broad brown stripes, the side interrupted: breast hoary: abdomen slightly tapering from the to the tip, narrower but hardly longer than the chest: legs ıy, clothed with black hairs and bristles; feet black, tawny at the ; foot-cushions tawny: wings narrow, very long, dark gray; g-ribs tawny; veins black, tawny towards the base; lower cross- straight for one-fourth of the length from the base, slightly 'ed inward from thence to the tip; scales very small, gray with ıy borders; poisers tawny. Length of the body 2 lines; of the gs 5 lines.

ıt. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group II. Clusia, *Haliday*.

HETEROMYZA, flava, *Meig. Dipt.* vi. 46. Heteroneura spuria, *Hal. Ent. Mag.* i. 171. Clusia flava, *Hal. Ann. Nat. Hist.* 188, 188. Helomyza flava? *Zett. Ins. Lapp.* 765, 4.
a. England. Presented by F. Walker, Esq.

HELOMYZA, *Fallen*.

Div. A. *Meig*.

Group Suillia, *Desv. Essai Myod.* 642.

HELOMYZA rufa, *Fall. Helom.* 4, 2. *Meig. Dipt.* vi. 49, 2. *Macq. Hist. Nat. Dipt.* ii. 410, 2. *Zett. Ins. Lapp.* 765, 3. Suillia fungorum, *Desv. Essai Myod.* 642, 2.
a. England.

HELOMYZA olens, *Meig. Dipt.* vi. 50, 4.
a. England.

HELOMYZA tigrina, *Fall. Heterom.* 4, 3. *Meig. Dipt.* vi. 53, 11. *Macq. Hist. Nat. Dipt.* ii. 412, 8.
a. England.

HELOMYZA griseola, *Meig. Dipt.* vi. 53, 12.
a. England.

Group Curtonotum, *Macquart*.

HELOMYZA gibba, *Wied. Aus. Zweif.* ii. 586, 1. Musca gibba *Fabr. Syst. Antl.* 297, 70. Curtonotum gibbum, *Macq. Dipt. Exot.* ii. 3, 193, *pl.* 25, *f.* 6, 7.
a. Para. Presented by Reginald Graham, Esq.

HELOMYZA pantherina, n. s., mas. *Fulva, capite piceo vario, thorace fusco confertim guttato, pectore cano, abdomine piceo, pilis nigris, antennis ferrugineis apice nigris, pedibus fulvis, alis fuscis.*

Body thinly clothed with black hairs and bristles: head [illegible] with two pitchy stripes on the crown from the eyelets to the base of each feeler; disk of the face pitchy, its sides with two or three bristles at the base; epistoma hardly prominent: eyes red, a small

on of the fore part yellowish, rather flat, composed of larger fa-
han those elsewhere: sucker black, clothed with tawny hairs;
black, beset with black bristles: feelers ferruginous, hardly
than half the length of the face; third joint conical, dark
ginous, black towards the tip, much longer than the second;
e black, slender, much more than twice the length of the third
, feathered on both sides with very long hairs: chest tawny,
ly crowded with small brown spots, one round the base of each
sides paler and blending with the hoary colour which adorns
reast; scutcheon armed with some long black spines: abdo-
pitchy, spindle-shaped, narrower but not longer than the chest,
ned with hoary reflections above and beneath: legs tawny,
ed with black hairs and bristles; feet thickly beset with short
bristles; claws black: wings brown, darker on the fore bor-
rom the middle to the tip and along the borders of the veins;
-ribs pitchy; veins black, pitchy at the base; lower cross-vein
led with brown, nearly perpendicular, slightly curved inward
e middle part of its course, nearly four times its length distant
the middle cross-vein; poisers pale tawny, with yellow knobs.
gth of the body 4½ lines; of the wings 9 lines.

razil.

OMYZA suffusa, n. s., fem. *Fulva, facie flava, abdominis apice et segmentorum tertii et quarti marginibus posticis piceis, palpis antennis pedibusque fulvis, tibiis anticis apice tarsisque piceis, alis fulvis fusco vittatis et bimaculatis.*

Body tawny, clothed with black hairs and bristles: face
yellow, its sides without bristles; epistoma not prominent:
red; fore part rather flat, its facets larger than those elsewhere:
ter tawny, clothed with tawny hairs; palpi tawny, beset with
k bristles: feelers tawny, shorter than the face; third joint co-
l, rounded at the tip, more than twice the length of the second;
tle black, slender, feathered on each side with moderately long
s, full thrice the length of the third joint, tawny at the base:
st paler than the chest, somewhat yellowish: abdomen obconi-
shorter and narrower than the chest; tip and hind borders of
third and fourth segments pitchy: legs pale tawny, clothed with
k hairs and bristles; feet and tips of fore shanks pitchy; claws
ck: wings tawny, darker at the base, near which a brown stripe
mences and runs along the border to the tip, which it includes
h the exception of the hind border; two brown spots enclose the
ddle and lower cross-veins; wing-ribs tawny; veins black, tawny
the base; lower cross-vein nearly perpendicular, very slightly
ved inward in the middle part of its course, distant by much

more than its length from the middle cross-vein; poisers yellow. Length of the body 4 lines; of the wings 7 lines.

a. ——— ?

HELOMYZA interjecta, n. s., fem. *Fulva, capite flavo vario, abdomine nigro-fasciato, palpis antennis pedibusque fulvis, alis fulvis fusco bimaculatis et ad costam vittatis.*

Body tawny, thinly clothed with black hairs and bristles: head yellow in front, and indistinctly striped with yellow on the crown; epistoma not prominent; face quite flat, without hairs or bristles: eyes red; fore part flat, composed of much larger facets than those elsewhere: sucker tawny, clothed with pale tawny hairs: palpi tawny, beset with black bristles: feelers tawny, much shorter than the face; third joint conical, rather deep, rounded at the tip, about thrice the length of the second; bristle black, slender, feathered with hairs of moderate length at the base, about thrice the length of the third joint: breast pale tawny: abdomen obconical, narrower but not longer than the chest; hind borders of the second and of the following segments black; tip also black: legs tawny, clothed with black hairs and with a few black bristles; tips of the claws black; fore thighs armed beneath with a row of long stout black bristles: wings tawny; a brown stripe passes from one-fourth of the length of the fore border to the tip, where it widens and becomes paler and blends with the gray of the hind border; two brown spots enclose the middle and lower cross-veins; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein straight, with the exception of a very slight inward curve in the middle of its course, more distant by half than its length from the middle cross-vein; poisers tawny. Length of the body 3 lines: of the wings 6 lines.

a. Venezuela. From Mr. Dyson's collection.

HELOMYZA tincta, n. s., fem. *Ferruginea, abdominis basi apicemque fulvis, palpis fulvis, pedibus ferrugineis, alis cinereis costa nervorumque marginibus fulvis.*

Body ferruginous, clothed with short black hairs: head and chest beset with a few black bristles: head with a hoary tinge behind; sides of the face without bristles; epistoma not prominent: eyes pitchy; facets small: sucker pitchy, clothed with tawny hairs: palpi tawny, beset with black bristles: feelers tawny at the base: abdomen linear, pitchy, a little narrower and very much longer than the chest, tawny at the base, tapering towards the tip, which is also tawny: legs pale ferruginous, clothed with short black hairs: tips of the shanks beset with black bristles; claws black, ferruginous at

ase; foot-cushions pale tawny: wings gray, tawny for some
lth beneath the fore border and along the veins in the disk;
-ribs and veins tawny; longitudinal veins straight; middle
-vein straight, upright; lower cross-vein straight, very slightly
ue, parted by more than twice its length from the middle cross-
by thrice its length from the end of the fourth longitudinal
and by near half its length from the end of the fifth longitu-
vein; poisers tawny; scales yellow, very small. Length of
ody 3¾ lines; of the wings 6½ lines.

ova Scotia. From Lieut. Redman's collection.

OMYZA quadrimacula, n. s., mas. *Fulva, lateribus subtusque flava, palpis flavis, antennis pedibusque fulvis, tarsis ferrugineis, alis fulvis fusco quadrimaculatis.*

Body pale tawny, yellow on each side and beneath, thinly
ed with black hairs: head and chest beset with a few black
es: sides of the face without bristles; epistoma not promi-
: eyes red, with a coppery tinge, fringed with short black hairs;
part rather flat, its facets a little larger than those elsewhere:
r and palpi yellow: feelers tawny, a little shorter than the
; third joint conical, downy, twice the length of the second;
le black, tawny at the base, much more than twice the length
e third joint, feathered to the tip on both sides with rather
black hairs: abdomen obconical, narrower and a little shorter
the chest: legs tawny, thinly clothed with very short black
; feet ferruginous; claws black; thighs beset with rows of
black bristles: wings tawny, each adorned with four brown
, one on each cross-vein, the third near the tip, descending
the fore border into the disk, and approaching the fourth
h is near the hind border; wing-ribs and veins tawny, the lat-
arker towards the tips, pitchy in the brown parts of the wing;
itudinal veins straight; middle cross-vein straight, slightly ob-
; lower cross-vein nearly straight, slightly oblique, parted by
ly twice its length from the middle cross-vein, by much more
twice its length from the end of the fourth longitudinal vein,
by half its length from the end of the fifth longitudinal vein,
h does not reach the hind border; poisers tawny. Length of
body 1½ line; of the wings 3 lines.

ierra Leone. Presented by the Rev. D. F. Morgan.

Div. B. *Meig.*

Group Æcothea, *Haliday.*

HELOMYZA fenestralis, *Fall. Heterom.* 5, 5. *Meig. Dipt.* vi. 18. Blephariptera fenestralis, *Macq. Hist. Nat. Dipt.* 414, 9. Æcothea fenestralis, *Haliday, Ann. Nat. Hist.* 187.
a. England.

Group Blephariptera, *Macq.*

HELOMYZA inscripta, *Meig. Dipt.* vi. 59, 26. Blephariptera scripta, *Macq. Hist. Nat. Dipt.* ii. 414, 10.
a. England.

HELOMYZA fasciata, n. s. *Cinerea, capite albo micante, h ferrugineis, abdomine fulvo suturis nigris, antennis nigris ferrugineis, pedibus fulvis, tarsis nigris, alis fulvo subcinere*

Body clothed with black hairs and bristles: head adorned with white reflections on each side of the crown and on fore part, which is tawny; sides of the face without bristles; stoma not prominent: eyes red, convex; all the facets very sucker black, clothed with tawny hairs: feelers black, nearly long as the face; third joint slightly conical, rather deep, rou at the tip, very much longer than the second joint; first and sec joints dark ferruginous; bristle bare, rather stout at the base, than twice the length of the third joint: chest and breast chest with a tawny tinge; shoulders ferruginous; breast hoary: abdomen tawny, shining, spindle-shaped, a little longer the chest, slender at the tip; sutures of the segments black: tawny, clothed with black hairs and bristles; feet black, tawny the base; foot-cushions very small: wings pale gray, with a slight tawny tinge; wing-ribs pale tawny; veins pitchy, pale towards the base; lower cross-vein parted by much less than twice length from the middle cross-vein, having two very indistinct the lower outward, the upper inward; scales very small, with pale yellow borders; poisers tawny. Length of the body lines; of the wings 4 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ɪMZYA ? lateralis, n. s., fem. *Fulva, thoracis lateribus fusco ittatis, pectore abdomineque flavis, hujus maculis apiceque fla- is, palpis antennis pedibusque fulvis, alis subfulvis apice fusco iaculatis.*

Body tawny, beset with a few long and stout black bristles: head iest without hairs: epistoma not prominent; face flat, adorned ı black stripe on each side, its sides without bristles: eyes red, ly convex; facets on the hind part smaller than those elsewhere: pale tawny, clothed with tawny hairs; palpi pale tawny: ; tawny, much shorter than the face; third joint nearly round, : than the second; bristle black, slender, downy, full thrice the ı of the third joint: a brown stripe along each side of the chest: yellow: abdomen yellow, slightly tapering from the base to), narrower and much longer than the chest, clothed with black ınd bristles; a large pitchy spot extends from the fore border as the middle on each side of every segment; tip of the ıen also pitchy: legs tawny, clothed with short black hairs vith a few black bristles; claws black; fore feet, with the tion of the first joint, dark tawny; wings slightly tawny; a brown spot at the tip, paler towards the hinder border, on ap- ıing which it disappears; wing-ribs tawny; veins black, towards the base; lower cross-vein curved inward, distant by its length from the middle cross-veins; poisers yellow. h of the body 3 lines; of the wings 5 lines.

rth America. Presented by the Entomological Club.

Group Leria, *Desv. Essai Myod.* 653.

Group Thelida, *Desv. Essai Myod.* 655.

Group Lentiphora, *Desv. Essai Myod.* 656.

Group Orbellia, *Desv. Essai Myod.* 656.

DICHÆTA, *Meigen.*

ÆTA caudata, *Meig. Dipt.* vi. 62, 1, *pl.* 58, *f.* 1—6. *Macq. Hist. Nat. Dipt.* ii. 521, 1, *pl.* 21, *f.* 8. Notiphila caudata, *Fall. Act. Holm.* 1813, 249, 1. *Hydromyz.* 8, 1. *Zett. Ins. Lapp.* 717, 2. *Haliday, Ann. Nat. Hist.* iii. 222, 4. *Stenh. Monogr.* 194, 1. *Zett. Dipt. Scand.* v. 1853, 1.
x-la-Chapelle. Presented by F. Walker, Esq.

NOTIPHILA, *Fallen.*

Group Keratocera, *Desv. Essai Myod.* 288.

NOTIPHILA cinerea, *Fall. Act. Holm.* 1813, 250, 2. *Hydromyz.* 2. *Meig. Dipt.* vi. 64, 1. *Macq. Hist. Nat. Dipt.* ii. 521 *pl.* 21, *f.* 9. *Haliday, Ann. Nat. Hist.* iii. 222, 1. *Zett.* *Lapp.* 717, 1. *Stenh. Monogr.* 200, 5, *f.* 11—15. *Dipt. Scand.* v. 1855, 2. Keratocera palustris, *Desv.* *Myod.* 788, 1. K. trapæ, *Desv. Essai Myod.* 789, 3. K. vicornis, *Desv. Essai Myod.* 789, 4.

a. England.

b. France.

Group Hydrellia, *Desv. Essai Myod.* 790.

NOTIPHILA griscola, *Fall. Act. Holm.* 1813, 250. *Hydromyz.* *Meig. Dipt.* vi. 66, 6, *pl.* 58, *f.* 13? *Zett. Ins. Lapp.* 71 *Stenh. Monogr.* 220, 20. *Zett. Dipt. Scand.* v. 186 Hydrellia communis, *Desv. Essai Myod.* 791, 1? H. gri *Macq. Hist. Nat. Dipt.* ii. 523, 1, *pl.* 21, *f.* 10. *Hal.* *Nat. Hist.* iii. 403, 7.

a. England. Presented by F. Walker, Esq.

NOTIPHILA chrysostoma, *Meig. Dipt.* vi. 67, 8. *Zett. Dipt.* v. 1872, 14. Hydrellia viridescens? *Desv. Essai Myod.* 10. H. chrysostoma, *Hal. Ann. Nat. Hist.* iii. 403, 8. *Dipt.* vii. 373, 9.

a. England. Presented by F. Walker, Esq.

NOTIPHILA albiceps, *Meig. Dipt.* vi. 68, 11. Hydrina fuligi *Desv. Essai Myod.* 793, 8. Hydrillia argyria? *Desv.* *Myod.* 793, 11. H. albiceps, *Macq. Hist. Nat. Dipt.* ii. 15. *Hal. Ann. Nat. Hist.* iii. 403, 10.

a. England. Presented by F. Walker, Esq.

NOTIPHILA erythrostoma, *Meig. Dipt.* vi, 69, 14. Hydrellia throstoma, *Macq. Hist. Nat. Dipt.* ii. 526, 16. *Hal. Ann.* *Hist.* iii. 403, 11.

a. England. Presented by F. Walker, Esq.

Group Atissa, *Hal. Ann. Nat. Hist.* iii. 404.

Group Glenanthe, *Hal. Ann. Nat. Hist.* iii. 404.

PHILA nigriceps, *Meig. Dipt.* vi. 67, 7. Hydrellia brunifa-
ies? *Desv. Essai Myod.* 792, 7. H. nigriceps, *Macq. Hist.*
Nat. Dipt. ii. 523, 2.
gland. Presented by F. Walker, Esq.

PHILA leucostoma, *Meig. Dipt.* vi. 68, 12, *pl.* 58, *f.* 12. *Hal.*
Ann. Nat. Hist. iii. 223, 8. Hydrellia leucostoma, *Macq. Hist.*
Nat. Dipt. ii. 524, 7. *Meig. Dipt.* vii. 373, 11. Psilopa leu-
ostoma, *Zeit. Dipt. Scand.* v. 1936, 4.
gland. Presented by F. Walker, Esq.

Group Discocerina, *Macq.*

PHILA calceata, *Meig. Dipt.* vi. 69, 16. *Hal. Ann. Nat. Hist.*
ii. 224, 10.
gland. Presented by F. Walker, Esq.

PHILA ——— ?
ermont, Auvergne. Presented by the Entomological Club.

PHILA obscurella? *Fall. Act. Holm.* 1813, 251. *Hydromyz.*
0. *Meig. Dipt.* vi. 73, 29. *Hal. Ann. Nat. Hist.* iii. 224, 9.
N. nigrina, *Meig. Dipt.* vi. 69, 17. *Zett. Dipt. Scand.* v.
887, 26. Hydrellia nigrina, *Macq. Hist. Nat. Dipt.* ii. 524,
. *Meig. Dipt.* vii. 373, 14. Psilopa, *Stenh. Monogr.* 258, 6.
gland. Presented by F. Walker, Esq.

PHILA glabra, *Meig. Dipt.* vi. 69, 15. *Hal. Ann. Nat. Hist.*
ii. 224, 12. Discocerina glabra, *Macq. Hist. Nat. Dipt.* ii.
28, 4.
gland. Presented by F. Walker, Esq.

Group Hecamede, *Haliday, Ann. Nat. Hist.* iii. 224.

PHILA albicans, *Meig. Dipt.* vi. 65, 3. *Macq. Hist. Nat. Dipt.*
i. 522, 6. *Hal. Ann. Nat. Hist.* iii. 224, 13.
gland. Presented by F. Walker, Esq.

Group Psilopa, *Fallen.*

NOTIPHILA madizans, *Fall. Act. Holm.* 1813, 252, 8. *Meig. Dipt.* vi. 74, 32. *Hal. Ent. Mag.* i. 178. *Ann. Nat. Hist.* iii. 22[illegible], 6. N. nigella, *Meig. Dipt.* vi. 72, 26. Psilopa madizans, *Fall. Hydrom.* 7, 2. *Zett. Ins. Lapp.* 718, 1. *Stenh. Monogr.* 263, 11. *Zett. Dipt. Scand.* v. 1937, 5. Trimerina madizans, *Macq. Hist. Nat. Dipt.* ii. 529, 2. Hydrellia nigella, *Meig. Dipt.* vii. 373, 20.

a. England. Presented by F. Walker, Esq.

Group Hygrella, *Haliday.*

NOTIPHILA nitidula, *Fall. Act. Holm.* 1813, 252. *Meig. Dipt.* [illegible] 75, 34. *Hal. Ann. Nat. Hist.* iii. 223, 7. Psilopa nitidula, *Fall. Act. Holm.* 1813, 252, 9. *Hydrom.* 7, 4. *Zett. Ins. Lapp.* 719, 2. *Dipt. Scand.* v. 1932, 1. *Sten. Mon. Ephydr.* 261, 8. Notiphila compta, *Meig. Dipt.* vi. 68, 13. Hydrellia compta, *Macq. Hist. Nat. Dipt.* ii. 524, 8. Keratocera [illegible] descens? *Desv. Essai Myod.* 790, 10.

a. England. Presented by F. Walker, Esq.

b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

NOTIPHILA smaragdi, n. s., fem. *Viridis, æneo varia, capite nigro, palpis antennis pedibusque nigris, tarsis basi tibiisque posterioribus piceis, alis limpidis ad costam subfulvis.*

Body bright green, brassy here and there, clothed with short black hairs: head and chest beset with a few black bristles: [illegible] black; epistoma not prominent: eyes red; fore part rather flat; facets a little larger than those elsewhere: sucker and palpi black; feelers black, nearly as long as the face; third joint linear, round at the tip, more than twice the length of the second; bristle dorsal almost filiform, nearly twice the length of the third joint; abdomen obconical, not longer than the chest: legs black, beset with black bristles; feet towards the base and four hind shanks pitchy; wings colourless, slightly tawny along the fore border; wing-ribs and veins pale tawny; longitudinal veins straight, first widened towards the tip; middle cross-vein very short; lower cross-vein oblique, slightly curved inward, parted by more than twice its length from the middle cross-vein, by more than thrice its length from the end of the first longitudinal vein, and by less than its length from the end of the

longitudinal vein; poisers tawny; scales colourless, small. th of the body 1—1¼ line; of the wings 2—2½ lines.

erra Leone. Presented by the Rev. D. F. Morgan.

Obs.—The two following species do not belong to the preceding).

PHILA repleta, n. s., mas. *Ferruginea, abdomine nigro fasciis anis ornato, palpis nigris, antennis pedibusque ferrugineis, alis uscis quinque maculatis ad costam cinereo-fulvis.*

dy clothed with short black hairs: head and chest beset with bristles; head bright ferruginous; epistoma not prominent: ed; all the facets very small: sucker and palpi black: feelers ferruginous, much shorter than the face; third joint longer than cond; bristle black, feathered on both sides with rather long full thrice the length of the third joint: chest dark ferru- is; abdomen black, shining, a little longer and narrower than nest; a hoary band on the hind border of each segment: legs ginous, beset with black hairs and bristles; claws black: wings , grayish tawny along the fore border, adorned with five colour- pots, one on the hind border near the base, two in the disk, the one consisting of three spots joined together, and two near the wing-ribs and veins black, longitudinal veins straight; middle vein very short; lower cross-vein with two very slight curves, upper inward, the lower outward), parted by much more than its length from the middle cross-vein, by near thrice its length the end of the fourth longitudinal vein, and by full half its h from the end of the fifth longitudinal vein. Length of the 1¼ line; of the wings 2½ lines.

. Martin's Falls, Albany River, Hudson's Bay. Presented by . Barnston, Esq.

PHILA producta, n. s. *Picea, angusta, thorace ferrugineo vittis ribus canis, palpis antennisque nigris, pedibus piceis, alis cinereis, enis fusco limbatis.*

Allied to *Diastata*. Body rather narrow, pitchy, clothed with short black hairs: head and chest beset with black bristles: somewhat hoary in front: eyes red; all the facets very small: r, palpi, and feelers black: chest dark ferruginous, adorned three indistinct hoary stripes: abdomen shining, spindle- d, a little longer than the chest: legs pitchy, clothed with very hairs; claws black; wings gray, slightly notched at the end of first longitudinal vein, brown along the borders of the veins; -ribs and veins black; longitudinal veins straight, with the ex-

ception of the fifth, which forms a slightly obtuse angle at the junction with the lower cross-vein, the latter is nearly upright, hardly curved outward, parted by thrice its length from the middle cross-vein, by four times its length from the end of the fourth longitudinal vein and by less than its length from the end of the fifth longitudinal vein; poisers pitchy. Length of the body ¾ lines; of the wings 1 line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group Nupharia, *Desv. Essai Myod.* 785.

DISCOMYZA, *Meigen.*

DISCOMYZA incurva, *Meig. Dipt.* vi. 76, *pl.* 58, *f.* 14—17. *Macq. Hist. Nat. Dipt.* ii. 529, *pl.* 21, *f.* 13. *Stenh. Monogr.* 265. Psilopa incurva, *Fall. Hydrom.* 6, 1. *Zett. Dipt. Scan.* v. 1941, 7. Notiphila incurva, *Hal. Ann. Nat. Hist.* iii. 2[illegible] 5.

a. England. Presented by F. Walker, Esq.

Group Dryxo, *Desv. Essai Myod.* 787.

OCHTHERA, *Latreille.*

OCHTHERA Mantis, *Latr. Hist. Nat.* xiv. 391. *Gen. Crust.* iv. [illegible] *pl.* 15, *f.* 10. *Meig. Dipt.* vi. 78, *pl.* 58, *f.* 18—21. *Macq. Hist. Nat. Dipt.* ii. 519, *pl.* 21, *f.* 7. *Hal. Ann. Nat. Hist.* [illegible] 220, 1. *Loew, Ent. Zeit. Stett.* viii. 371, 1. O. manicata, *Fall. Kongl. Vet. Acad. Handl.* 1813, 244. *Desv. Essai Myod.* 787, 1. Musca manicata, *Fabr. Ent. Syst.* iv. 334. Mantis, *De Geer, Mém.* vi. 143, *pl.* 8, *f.* 15, 16. Tephr. manicata, *Fabr. Syst. Antl.* 323.

a. England.
b. Ireland. Presented by F. Walker, Esq.
c. ———? From Mr. Children's collection.

OCHTHERA empidiformis? *Say, Journ. Acad. Philad.* iii. 99. *Wied. Auss. Zweif.* ii. 446.

a. Florida. Presented by E. Doubleday, Esq.

EPHYDRA, *Fallen.*

Group I. Hydrina, *Desv. Essai Myod.* 794.

Div. 1. *Hal. Ann. Nat. Hist.* iii. 405.

DRA picta, *Meig. Dipt.* vi. 125, 30. *Hal. Ann. Nat. Hist.* ii. 405, 1. Notiphila picta, *Fall. Act. Holm.* 1813, 254, 12. *Hydrom.* 11, 13. *Stenh. Monogr.* 213, 37. *Zett. Dipt. Scand.* v. 1913, 46. N. pullula, *Fall. Hydrom.* 11, 10.
gland. Presented by F. Walker, Esq.

Div. 2. *Hal. Ann. Nat. Hist.* iii. 405.

DRA punctato-nervosa, *Meig. Dipt.* vi. 123, 24. *Hal. Ann. Nat. Hist.* iii. 405, 2. Notiphila punctato-nervosa, *Fall. Act. Holm.* 1813, 254, 13. *Hydromyz.* 12, 14. *Stenh. Monogr.* 247, 41. *Zett. Dipt. Scand.* v. 1921, 51.
gland. Presented by F. Walker, Esq.

DRA flavipes, *Meig. Dipt.* vi. 123, 25. *Hal. Ann. Nat. Hist.* ii. 405, 3. Notiphila flavipes, *Fall. Hydromyz.* 12, 15. *Stenh. Monogr.* 244, 38, *f.* 30. *Zett. Dipt. Scand.* v. 1916, 8.
gland. Presented by F. Walker, Esq.

DRA stictica, *Meig. Dipt.* vi. 121, 21. *Macq. Hist. Nat. Dipt.* ii. 539, 14. *Hal. Ann. Nat. Hist.* iii. 405, 4.
gland. Presented by F. Walker, Esq.

DRA interstincta, *Meig. Dipt. Europ.* vi. 122, 23? *Macq. Hist. Nat. Dipt.* ii. 539, 16? *Hal. Ann. Nat. Hist.* iii. 405, 5. Notiphila interstincta, *Fall. Act. Holm.* 1813, 254, 16. *Zett. Dipt. Scand.* v. 1917, 50. *Hydrom.* 12, 16. *Stenh. Monogr.* 46, 40? Hydrina maculipennis, *Desv. Essai Myod.* 795, 5.
gland. Presented by F. Walker, Esq.

DRA posticata, *Meig. Dipt.* vi. 124, 27. *Macq. Hist. Nat. Dipt.* ii. 539, 17. *Hal. Ann. Nat. Hist.* iii. 406, 7. Notiphila nigricauda? *Stenh. Monogr. Ephyd.* 248, 42. *Zett. Dipt. Scand.* v. 1923, 52.
gland. Presented by F. Walker, Esq.

Group II. Hyadina, *Hal. Ann. Nat. Hist.* iii. 406.

EPHYDRA guttata, *Meig. Dipt.* vi. 125. *Hal. Ann. Nat. Hist.* iii. 406, 8. E. nitida, *Macq. Hist. Nat. Dipt.* ii. 530. Notiphila guttata, *Fall. Act. Holm.* 1813, 253, 11. *Hydromyz.* 11, 12. *Zett. Ins. Lapp.* 718, 7. *Stenh. Monogr.* 239, 30. var. *a.*, *f.* 28. *Zett. Dipt. Scand.* v. 1914, 47. Hydrina venalis, *Desv. Essai Myod.* 795, 1.
a. England. Presented by F. Walker, Esq.

Group III. Axysta, *Hal. Ann. Nat. Hist.* iii. 406.

Group IV. Pelina, *Hal. Ann. Nat. Hist.* iii. 407.

EPHYDRA ænea, *Meig. Dipt.* vi. 124, 29. *Hal. Ann. Nat. Hist.* iii. 407, 11. E. glabricula, *Meig. Dipt.* vi. 121, 19. *Macq. Hist. Nat. Dipt.* ii. 538, 11. Notiphila ænea, *Fall. Act. Holm.* 1813, 253, 10. *Hydromyz.* 11, 11. *Stenh. Monogr. Ephyd.* 209, 12. *Zett. Dipt. Scand.* v. 1926, 54.
a. England. Presented by F. Walker, Esq.

Group V. Napæa, *Desv. Essai Myod.* 799.

Div. 1. *Hal. Ann. Nat. Hist.* iii. 407.

EPHYDRA coarctata, *Fall. Act. Holm.* 1813, 247. *Hydromyz.* 4, *Meig. Dipt.* vi. 116, 7. *Hal. Ann. Nat. Hist.* iii. 407. *Stenh. Monogr. Ephyd.* 189, 16. *Zett. Dipt. Scand.* v. 1821. E. rufitarsis, *Macq. Hist. Nat. Dipt.* ii. 536, 3, *pl.* 22, *f.* Napæa stagnicola major, *Desv. Essai Myod.* 800.
a. England. Presented by F. Walker, Esq.

EPHYDRA littoralis, *Meig. Dipt. Europ.* vi. 116, 6, *pl.* 60, *f.* *Macq. Hist. Nat. Dipt.* ii. 536, 2. *Hal. Ann. Nat. Hist.* iii. 407. *Stenh. Monogr.* 188, 15. *Zett. Dipt. Scand.* v. 1820, 10. Napæa stagnicola? *Desv. Essai Myod.* 799, 1.
a. ——? Presented by F. Walker, Esq.

EPHYDRA 4-punctata, *Meig. Dipt.* vi. 107, 8. *Macq. Hist. Nat. Dipt.* ii. 536, 4.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by F. Walker, Esq.

Div. 2. *Hal. Ann. Nat. Hist.* iii. 407.

ydra aquila, *Fall. Hydromyz.* 4, 3. *Meig. Dipt.* vi. 117, 10. *Macq. Hist. Nat. Dipt.* ii. 537, 6. *Hal. Ann. Nat. Hist.* iii. 407, 14. *Zett. Ins. Lapp.* 716, 3. *Stenh. Monogr.* 187, 14. *Zett. Dipt. Scand.* v. 1819, 7.
ngland. Presented by F. Walker, Esq.

ydra fossarum, *Hal. Ent. Mag.* i. 175. *Ann. Nat. Hist.* iii. 407, 15.
ngland. Presented by F. Walker, Esq.

Group VI. Ilythea, *Hal. Ann. Nat. Hist.* iii. 408.

ydra spilota, *Hal. Curt. Brit. Ent.* 413. *Ann. Nat. Hist.* iii. 408, 18. *Curt. Brit. Ent.* 413.
lten. Presented by F. Walker, Esq.

Group VII. Cænia, *Desv. Essai Myod.* 800.

Div. 1. *Hal. Ann. Nat. Hist.* iii. 408.

ydra palustris, *Fall. Hydromyz.* 4, 2. *Meig. Dipt.* vi. 115, 2. *Hal. Ann. Nat. Hist.* iii. 408, 20. *Zett. Ins. Lapp.* 716, 2. *Stenh. Monogr.* 172, 4. *Zett. Dipt. Scand.* v. 1815, 4. Cænia caricicola, *Desv. Essai Myod.* 800, 1. C. palustris, *Macq. Hist. Nat. Dipt.* ii. 530, 1.
ngland. Presented by F. Walker, Esq.

ydra obscura, *Meig. Dipt.* vi. 115, 3. Cænia obscura, *Macq. Hist. Nat. Dipt.* ii. 530, 2.
ngland. Presented by F. Walker, Esq.

Div. 2. *Hal. Ann. Nat. Hist.* iii. 400.

ydra defecta, *Hal. Ent. Mag.* i. 174. *Ann. Nat. Hist.* iii. 408, 21.
England. Presented by F. Walker, Esq.

Group VIII. Scatella, *Desv. Essai Myod.* 801.

ydra æstuans, *Hal. Ent. Mag.* i. 176. *Ann. Nat. Hist.* iii. 409, 25.
England. Presented by F. Walker, Esq.
Karasuwandra, Lapland. Presented by F. Walker, Esq.

EPHYDRA oscitans, n. s., *Barnston's MSS.* *Fusca, subtus cana, palpis antennisque nigris, pedibus nigro-cinereis, alarum fuscarum maculis plurimis limpidis ad costam quadratis.*

Body hoary beneath: head and chest dark brown, beset with black bristles: eyes pitchy: sucker, palpi, and feelers black; third joint of the feelers conical, longer than the second; bristle hairy, thrice the length of the third joint: legs black, tinged with gray: wings dark brown, adorned with numerous colourless spots, which along the fore border are more distinct than elsewhere, and of a nearly square shape; wing-ribs and veins black; poisers pitchy. Length of the body ¾ line; of the wings 1½ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

EPHYDRA octo-notata, *Barnston's MSS.* *Fusca, facie lateribus albidis, thorace vittis duabus canis ornato, palpis piceis, antennis nigris, pedibus nigro-cinereis, alis cinereis sublimpido quadrimaculatis.*

Body brown: head and chest beset with a few bristles: sides of the face whitish: eyes red; facets of the fore part a little larger than those elsewhere: sucker and palpi pitchy: feelers black, shorter than the face; third joint conical, a little longer than the second; bristle stout, downy, tapering, rather more than twice the length of the third joint: chest slightly metallic, adorned with two hoary stripes: legs black, tinged with gray; under sides of feet and of fore shanks clothed with ferruginous down: wings dark gray, each adorned with four almost colourless spots, one beneath the second longitudinal vein, and very near another which is between the middle cross-vein; the third and the fourth are on either side of the lower cross-vein; wing-ribs and veins black; tip of the second longitudinal vein curved upward to the fore border; fifth longitudinal vein slightly curved upward till it joins the lower cross-vein, whence it proceeds to the hind border, forming a very obtuse angle; lower cross-vein straight, upright, parted by four times its length from the middle cross-vein and from the end of the fourth longitudinal vein, and by more than half its length from the end of the fifth longitudinal vein; poisers pitchy. Length of the body ¾ line; of the wings 1½ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DRA striata, *Barnston's MSS. Fusca, thorace vittis quinque inis ornato, abdomine pedibusque nigro-cinereis, palpis antenisque nigris, alis fuscis limpido decem-maculatis.*

Iead and chest dark brown, beset with a few black bristles: itchy: sucker, palpi, and feelers black; third joint of the feelnical, longer than the second; bristle bare, tapering, more twice the length of the third joint: five interrupted hoary on the chest; a hoary spot on the tip of the scutcheon: abı obconical, black, tinged with gray, thinly clothed with black a little shorter and much narrower than the chest: legs black, l with gray; under side of feet and of fore shanks clothed with inous down; wings dark brown, adorned with ten colourless two between the second and the third longitudinal veins, the ıf these is much more distinct than any of the other spots; between the third and the fourth longitudinal veins; two on ear side and two beyond the lower cross-vein, one near the ɔorder; wing-ribs and veins black; tip of the second longituvein not curved upward; fifth longitudinal vein straight till s the lower cross-vein, whence it proceeds to the hind border, ng an obtuse angle; lower cross-vein straight, slightly oblique, l by much more than twice its length from the middle crossby more than thrice its length from the end of the fourth lonnal vein, and by a little less than its length from the end of th longitudinal vein; poisers pitchy. Length of the body $\frac{3}{4}$ of the wings $1\frac{1}{8}$ line.

Martin's Falls, Albany River, Hudson's Bay. Presented by ɪ. Barnston, Esq.

Group Saphæa, *Desv. Essai Myod.* 796.

DROSOPHILA, *Fallen.*

OPHILA cellaris, *Macq. Hist. Nat. Dipt.* ii. 549, 2. D. funeɔris, *Fall. Geomyz. Meig. Dipt.* vi. 82, 2. *Zett. Ins. Lapp.* '75, 1. Musca cellaris, *Linn. Syst. Nat.* ii. 993. *Faun. Suec.* 1848. *Gmel. Ed. Syst. Nat.* i. 5. 2848, 87. *Fabr. Ent. Syst.* iv. 332, 85. *Syst. Antl.* 305, 108. *Berk. Syn.* i. 165. *Stew. El.* ii. 260. *Turt.* iii. 609. Musca, &c., *Réaum. Ins.* v. ɔl. 8, *f.* 7—14. *Geoff. Ins.* ii. 536, 85. M. funebris, *Fabr. Ent. Syst.* iv. 323, 48. *Syst. Antl.* 299, 76. *Gmel. Ed. Syst. Nat.* i. 5, 2842, 190. M. erythrophthalma, *Hellw. Panz. Faun. Germ.* 17, 24. Oinopota cellaris, *Kirby.* Mocillus cellarius, *Sam. Comp.* 299.
ngland. Presented by F. Walker, Esq.

b. England.
c. France.
d. Kollare. Presented by the Entomological Club.
e. Haparanda. Presented by the Entomological Club.
f. Nova Scotia. From Lieut. Redman's collection.

DROSOPHILA phalerata, *Meig. Dipt.* vi. 83, 3, *pl.* 59, *f.* 3. *Macq. Hist. Nat. Dipt.* ii. 549, 3.
a. England. Presented by F. Walker, Esq.

DROSOPHILA fenestrarum, *Fall. Geomyz.* 6, 4. *Meig. Dipt.* vi. 83, 4. *Macq. Hist. Nat. Dipt.* ii. 549, 4. *Zett. Ins. Lapp.* 775, 2.
a. England. Presented by F. Walker, Esq.

DROSOPHILA transversa, *Megerle, Meig. Dipt.* vi. 2. *Macq. Hist. Nat. Dipt.* ii. 549, 5. *Zett. Ins. Lapp.* 776, 3.
a. England.

DROSOPHILA virginea, *Meig. Dipt.* vi. 84, 6.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Stockholm. Presented by the Entomological Club.

DROSOPHILA melanogaster, *Meig. Dipt.* vi. 85, 9.
a. England. Presented by F. Walker, Esq.
b. France.

DROSOPHILA tristis, *Fall. Geomyz.* 7, 7. *Meig. Dipt.* vi. 86. *Macq. Hist. Nat. Dipt.* ii. 550, 8.
a. England. Presented by F. Walker, Esq.

DROSOPHILA graminum, *Fall. Geom.* 8, 11. *Meig. Dipt.* vi. 86, [illegible] *Macq. Hist. Nat. Dipt.* ii. 550, 9. *Zett. Ins. Lapp.* 777, 9.
a. England. Presented by F. Walker, Esq.

DROSOPHILA immatura, n. s. *Fulva, abdominis apice piceo, [illegible] antennisque fulvis, pedibus flavis, alis limpidis.*

Body pale tawny, clothed with black hairs: head and chest [illegible] set with black bristles: eyes red; sucker, palpi and feelers tawny; feeler-bristle black: abdomen obconical, darker and narrower, but [illegible] longer than the chest, pitchy towards the tip: legs yellow: [illegible] colourless: wing-ribs and veins tawny: longitudinal veins straight; fifth vein slightly curved downward along its whole length, [illegible] forming an angle at its junction with the lower cross-vein; the [illegible]

ıght, nearly upright, far from the border of the wing, and in-
ve of feeble flight, parted by nearly thrice its length from the
le cross-vein, by six times its length from the end of the fourth
:udinal vein, and by thrice its length from the end of the fifth
:udinal vein. Length of the body 1 line; of the wings 2 lines.

——— ?

OPHILA debilis, n. s., fem. *Fulva, abdomine ferrugineo, pedibus 'ulvis, alis subcinereis.*

Body tawny, thickly clothed with black hairs; head wanting:
nen ferruginous, obeonical, a little longer than the chest: legs
y: wings slightly gray; wing-ribs and veins tawny; third
tudinal vein slightly curved upward after its junction with the
le cross-vein; fifth longitudinal vein slightly curved downward
its junction with the lower cross-vein, where it does not form
ıgle; lower cross-vein straight, nearly upright, parted by a little
than twice its length from the middle cross-vein, by much
than thrice its length from the end of the fourth longitudinal
and by a little more than its length from the end of the fifth
tudinal vein; poisers tawny. Length of the body 1 line; of the
s 2½ lines.

erra Leone. Presented by the Rev. D. F. Morgan.

ЗОРНІLA varia, n. s., fem. *Fulva, abdomine maculis octo fascia-
que una nigris ornato, ventre nigro, pedibus flavis, alis limpidis
fusco apice maculatis.*

Body tawny: head wanting: chest bright tawny, beset with a
black bristles; breast paler: abdomen obconical, darker and
ı narrower, but not longer than the chest, adorned with six
ε spots, three in front and three behind a black band which
rses the middle; there is also an indistinct black spot on each
of the tip; underside mostly black: legs pale yellow: wings
ırless, adorned with a brown spot at the tip of the second longi-
ıal vein; wing-ribs and veins tawny; longitudinal veins
ght; lower cross-vein upright, hardly inclined inward, parted
ıuch more than twice its length from the middle cross-vein, by
four times its length from the end of the fourth longitudinal
, and by a little more than its length from the end of the fifth
itudinal vein; poisers tawny. Length of the body ¾ line; of
vings 1½ line.

eorgia. From Mr. Abbot's collection.

DROSOPHILA guttifera, n.s., fem. *Fulva, capite subtus flavo, thorace subvittato, abdomine maculis piceis quadrivittato, palpis antennisque fulvis, pedibus flavis, alis limpidis fusco quatuordecim maculatis antice subfulvis postice subcinereis.*

Body tawny, shining, paler beneath: head and chest beset with a few black bristles: head pale tawny, not shining, yellow beneath: eyes red: sucker, palpi, and feelers tawny; third feeler-joint conical, longer than the second; bristle black, slender, feathered to the tip on both sides with long black hairs, full thrice the length of the third joint: chest indistinctly striped: abdomen spindle-shaped, a little longer and narrower than the chest, adorned with four rows and towards the tip with five rows of pitchy spots, thinly clothed with black hairs: legs yellow; claws black: wings colourless, tinged with tawny along the fore border, slightly gray along the hind border, adorned with fourteen small brown spots; one at the tip of the second longitudinal vein; seven on the third vein; three on the fourth vein, the first of them joining the third on the third vein, three on the fifth vein; wing-ribs and veins tawny; longitudinal veins nearly straight: lower cross-vein oblique, slightly curved inward, parted nearly thrice its length from the middle cross-vein, by more than four times its length from the end of the fourth longitudinal vein, and by more than its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body $\frac{3}{4}$ line: of the wings $1\frac{1}{4}$ line.

a. Florida. Presented by E. Doubleday, Esq.

DROSOPHILA colorata, n. s. *Rufa, capite ferrugineo, thorace subtrivittato, abdomine piceo fasciis fulvis ornato, palpis antennisque ferrugineis, harum articulo 3° piceo, pedibus fulvis, alis subcinereis ad costam fulvis.*

Head and chest beset with black bristles: head ferruginous: eyes pitchy: sucker, palpi, and feelers ferruginous: feelers shorter than the face; third joint conical, pitchy, longer than the second: bristle black, slender, feathered to the tip on both sides with a few long black hairs, more than twice the length of the third joint: chest dark red, adorned with three black stripes, the middle one darker than the side pair, which are interrupted: abdomen pitchy, elliptical, hardly longer than the chest; hind borders of the segments tawny: legs tawny; tips of the feet pitchy: wings slightly clouded tawny along the fore borders; wing-ribs and veins dark tawny: longitudinal veins straight; lower cross-vein nearly straight and upright, slightly clouded with brown, parted by more than thrice its length from the middle cross-vein, by more than four times its length from the end of the fourth longitudinal vein, and by its length from

ıd of the fifth longitudinal vein; poisers yellow, tawny at the
Length of the body 1¼ line; of the wings 3 lines.

ew York. Presented by E. Doubleday, Esq.

OPHILA remota, n. s. *Cervina, thorace postico pectoreque canis, ıntennis nigris, palpis pedibusque fulvis, femoribus piceis, tibiis osticis subarcuatis, alis subcinereis ad costam subfulvis.*

Body dark fawn colour: head and chest beset with black es: eyes red: sucker and palpi tawny: feelers black, shorter the face; third joint conical, longer than the second; bristle er, feathered to the tip with long hairs, more than twice the h of the third joint: breast and hind chest hoary: abdomen ical, thickly clothed with black hairs, a little shorter and nar- than the chest: legs tawny; clothed with short black hairs; black; thighs pitchy with tawny tips; hind shanks slightly d: wings slightly gray, with a tawny tinge, which is chiefly the borders of the veins; wing-ribs and veins tawny; longi- al veins straight; fifth vein inclined to the hind border after its ion with the lower cross-vein, where it forms a very indistinct ; lower cross-vein nearly upright, very slightly inclined out- , parted by more than four times its length from the middle -vein and from the tip of the fourth longitudinal vein, and by ngth from the tip of the fifth longitudinal vein; poisers tawny. th of the body 1½ line; of the wings 4 lines.

istram da Cunha. From Dr. Leach's collection.

SOPHILA flava, *Fall. Geom.* 7, 10. *Meig. Dipt.* vi. 88, 20.
ngland. Presented by F. Walker, Esq.

Group Terenia, *Desv. Essai Myod.* 640.

Group Odinia, *Desv. Essai Myod.* 648.

ASTEIA, *Meigen.*

IA amæna, *Meig. Dipt.* vi. 89, 1, *pl.* 59, *f.* 7. *Macq. Hist. Nat. Dipt.* ii. 620, 1.
ngland. Presented by F. Walker, Esq.
ngland.

OCHTHIPHILA, *Fallen.*

OCHTHIPHILA aridella, *Fall. Ochtid.* 10, 2. *Meig. Dipt.* vi. 92, 1. *Macq. Hist. Nat. Dipt.* ii. 545, 1. *Zett. Ins. Lapp.* 620, 1. *Dipt. Scand.* v. 1950, 6.
a. England. Presented by F. Walker, Esq.
b. Hammerfest. Presented by F. Walker, Esq.

OCHTHIPHILA juncorum, *Fall. Ochtid.* 9, 1. *Meig. Dipt.* vi. 92, 3, *pl.* 59, *f.* 11. *Macq. Hist. Nat. Dipt.* ii. 5452. *Zett. Ins. Lapp.* 719, 1. *Dipt. Scand.* v. 1945, 1.
a. England. Presented by F. Walker, Esq.
b. Haparanda. Presented by the Entomological Club.

Group Estelia, *Desv. Essai Myod.* 635.

DIASTATA, *Meigen.*

Group I.

DIASTATA punctum, *Meig. Dipt.* vi. 98, 10. *Macq. Hist. Nat. Dipt.* ii. 553, 7.
a. England.

DIASTATA obscurella, *Meig. Dipt.* vi. 96, 3, *pl.* 59, *f.* 15. *Macq. Hist. Nat. Dipt.* ii. 552, 3. Geomyza obscurella, *Fall. Geom.* 4, 7. *Zett. Ins. Lapp.* 774, 5.
a. England. Presented by F. Walker, Esq.
b. Hammerfest. Presented by F. Walker, Esq.

DIASTATA tenuipes, n. s., fem. *Picea, capite antico fulvo, thorace vittis quatuor fulvis, palpis antennisque piceis, pedibus fulvis, alis cinereis ad costam subfulvis, vena transversa fusco nebulosa.*

Body pitchy, shining: head and chest beset with black bristles: head tawny in front: eyes red: sucker, palpi, and feelers pitchy: feelers shorter than the face; third joint conical, longer than the second; bristle black, feathered with rather long hairs, more than twice the length of the third joint: chest with four indistinct dull tawny stripes: abdomen elliptical, thinly clothed with short black hairs, hardly longer than the chest: legs dark tawny, clothed with very short black hairs; claws black: wings dark gray with a tawny tinge on the fore border, clouded with brown on the lower cross-rib: wing-ribs and veins pitchy; longitudinal veins straight; fifth slightly curved towards the hind border, not forming an angle at the

:ion with the lower cross-vein; the latter is upright, nearly ght, parted by nearly thrice its length from the middle cross-vein, ore than four times its length from the end of the fourth longi- ıal vein, and by its length from the end of the fifth longitudinal ; poisers pale yellow. Length of the body 1¼ line; of the s 3 lines.

:. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TATA ? albicosta, n. s., mas. *Picea, gracilis, capite subtus palpis pedibusque flavis, antennis nigris, alis fuscis angustis ad costam albis margine postico subcinereis.*

Body pitchy, linear, very narrow: head and chest beset with a black bristles: head beneath, sucker and palpi yellow: eyes ıy: feelers black, shorter than the face; third joint short; le slender, stout at the base, feathered to the tip with very short , more than thrice the length of the third joint: abdomen much er than the chest: legs yellow, slender: wings long, narrow, brown, white along the fore border till near the tip, grayish g the hind border: wing-ribs and veins pitchy; longitudinal ı straight; second vein waving along the whole length at first ırd, then downward; fifth vein inclined to the hind border after unction with the lower cross-vein where it does not from an e; lower cross-vein slightly oblique, a little curved outward, d by more than twice its length from the middle cross-vein, by t times its length from the end of the fourth longitudinal vein, by nearly twice its length from the end of the fifth longitudinal ; poisers yellow. Length of the body 1 line; of the wings 2½ .

——— ? Presented by the Entomological Club.

Group 2. Camilla, *Haliday, Ann. Nat. Hist.* ii. 188.

TATA glabra, *Hal. Ann. Nat. Hist.* ii. 188. Drosophila glabra, *Fall. Geom.* 8, 12. *Meig. Dipt.* vi. 85, 10. Diastata ærata, *Haliday, Curtis, Guide, App.* 281.
ngland. Presented by F. Walker, Esq.

OPOMYZA, *Fallen.*

MYZA germinationis, *Fall. Opom.* 11, 1. *Meig. Dipt.* vi. 1. *Macq. Hist. Nat. Dipt.* ii. 555, 1. *Zett. Ins. Lapp.* 761, 1.

Musca germinationis, *Linn. Faun. Suec.* 1874. *Gmel. Ed. Syst. Nat.* i. 5, 2857, 122. *Fabr. Ent. Syst.* iv. 356, 18[illegible] Dacus germinationis, *Fabr. Syst. Antl.* 278, 28.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.

Opomyza florum, *Meig. Dipt.* vi. 102, 2, *pl.* 59, *f.* 22. *Zett. Ins. Lapp.* 762, 3. Musca florum, *Fabr. Ent. Syst.* iv. 352, 16[illegible] Tephritis florum, *Fabr. Syst. Antl.* 317, 3. Geomyza puncta[illegible] *Fall. Geom.* 11, 2.
a. England.

Opomyza combinata, var.? *Meig. Dipt.* vi. 109, 18. Musca combinata? *Fabr. Ent. Syst.* iv. 352, 163. *Gmel. Ed. Syst. Nat.* i. 5, 2855, 114. M. germinationis? *Schrank, Ins. Austr.* [illegible] Tephritis combinata? *Fabr. Syst. Antl.* 317, 2. Geomyza combinata? *Fall. Geom.* 2, 1.
a. France.

Opomyza tripunctata, *Meig. Deipt.* vi. 110, 21. *Macq. Hist. Nat. Dipt.* ii. 558, 14. Geomyza tripunctata, *Fall. Geom.* 2, [illegible] *Zett. Ins. Lapp.* 774, 2.
a. England.
b. Upsal. Presented by the Entomological Club.
c. France.

Opomyza maculata, *Macq. Hist. Nat. Dipt.* ii. 558, 15.
a. England. Presented by F. Walker, Esq.
b. England.

Opomyza guttipennis, *Zett. Ins. Lapp.* 762, 4.
a. Lapland. Presented by the Entomological Club.

Opomyza apicalis, n. s., fem. *Ferruginea, capite subtus fulvo, [illegible] mine supra piceo, palpis antennis pedibusque fulvis, alis limpi[illegible] apice fusco maculatis.*

Body pale ferruginous, shining: head and chest beset [illegible] very few black bristles: head pale tawny beneath: eyes red: [illegible] palpi, and feelers pale tawny: feelers much shorter than the [illegible] third joint conical, longer than the second; bristle slender, [illegible] downy, tawny at the base, more than thrice the length of the [illegible] joint: abdomen oval, a little longer than the chest, pitchy a[illegible] except at the base: legs tawny; claws black: wings colourless; [illegible] brown spot at the tip between the second and third longitudi[illegible]

; wing-ribs tawny; veins pitchy, tawny towards the base; lon-
inal veins straight; lower cross-vein nearly straight, almost
ht, parted by more than twice its length from the middle cross-
by more than thrice its length from the end of the fourth lon-
inal vein, and by less than half its length from the end of the
longitudinal vein; poisers whitish. Length of the body 1½
of the wings 3 lines.

ew Zealand. Presented by Dr. Hooker.

IYZA quadrivitta, n. s., fem. *Fulva, thorace vittis quatuor piceis,*
abdomine vitta fasciisque nigris ornato, palpis antennis pedibusque
fulvis, alis subcinereis, costa venisque transversis fusco nebulosis.

Body tawny: head and chest beset with stout black bristles:
whitish beneath: eyes pitchy: sucker, palpi, and feelers pale
y: feelers a little shorter than the face: first and second joints
: with a few bristles; third conical, longer than the second;
.e black, feathered with hairs on both sides to the tip, about
e the length of the third joint: chest adorned with four pitchy
es: abdomen obconical, a little shorter and narrower than the
, thinly clothed with black hairs, beset on each side with a few
c bristles, adorned with a black stripe, and on the hind borders
ne segments with black bands: legs tawny, beset with a few
c hairs and bristles; hind thighs pitchy: wings slightly gray,
n for one-third of the breadth beneath the fore border and at
ip, the outline of the brown is irregular above the cross-veins,
h are also clouded with brown; wing-ribs and veins pitchy; lon-
dinal veins straight; lower cross-vein straight, slightly oblique,
ed by much more than its length from the middle cross-vein, by
thrice its length from the end of the fourth longitudinal vein,
by more than half its length from the end of the fifth longitudi-
vein; poisers tawny. Length of the body 1½ line; of the wings
ines.

sle of France.

MILICHIA, *Meigen.*

LICHIA speciosa, *Meig. Dipt.* vi. 132, 1, *pl.* 60, *f.* 23—24. *Loew,*
Ent. Zeit. Stett. 324.
France.

LEUCOPIS, *Meigen.*

LEUCOPIS hirta, n. s., fem. *Cinerea, abdomine palpis antennis pedibusque nigris, alis cinereis margine antico convexo.*

Body gray, thick, broad: head and chest thickly beset with black bristles: eyes red: sucker, palpi, and feelers black: feelers much shorter than the face; third joint short, not much longer than the second; bristle slender, bare, much more than thrice the length of the third joint: abdomen obconical, flat, black, shining, a little longer and narrower than the chest, clothed with short black hairs, which are mostly on each side: legs black, stout: wings gray: fore border convex, with a deep notch at the end of the first longitudinal vein; wing-ribs and veins black; longitudinal veins straight; fifth curved towards the hind border, not forming an angle at its junction with the lower cross-vein; the latter is straight, upright, parted by thrice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by a little less than its length from the end of the fifth longitudinal vein; poisers black. Length of the body 1 line; of the wings 2 lines.

a. Haparanda. Presented by the Entomological Club.

LEUCOPIS? picea, n. s. *Picea, palpis antennisque nigris, pedibus fulvis, alis latis cinereis ad costam fuscis margine antico convexo.*

Body pitchy, shining: head and chest beset with a few black bristles: eyes red: sucker, palpi, and feelers black: abdomen obconical, a little longer and narrower than the chest: legs tawny: wings broad, dark gray, dark brown for one-third of the breadth beneath the fore border, which is convex; wing-ribs and veins black: third and fourth longitudinal veins approaching each other towards the tip; lower cross-vein parted by twice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by rather less than its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body ½ line; of the wings 1½ line.

a. ——— ?

GYMNOPA, *Fallen.*

GYMNOPA subsultans, *Meig. Dipt.* vi. 137, 1. *Macq. Hist. Nat. Dipt.* ii. 584, 1. Syrphus subsultans, *Fabr. Ent. Syst.* iv. 304, 96. Eristalis subsultans, *Fabr. Syst. Antl.* 246, 68.

a. England.
b. France.
c. Upsal. Presented by the Entomological Club.
d. ——— ? From Mr. Children's collection.

YMNOPA ænea, *Fall. Oscinid.* 10, 1. *Meig. Dipt.* vi. 137, 2? *Macq. Hist. Nat. Dipt.* ii. 584, 2. *Zett. Ins. Lapp.* 783, 1. Eristalis subsultans? *Fabr. Syst. Antl.* 246, 68.
England.

YMNOPA glabra, *Meig. Dipt.* vi. 137, 4. *Macq. Hist. Nat. Dipt.* ii. 584, 4. Madiza glabra, *Fall. Oscinid.* 9, 3. *Zett. Ins. Lapp.* 782, 2.
England. Presented by F. Walker, Esq.
France.
——— ? From Mr. Children's collection

CHLOROPS, *Meig.*

Div. A. *Meig.*

HLOROPS hypostigma, *Meig. Dipt.* vi. 141, 2. *Macq. Hist. Nat. Dipt.* ii. 591, 2.
England. Presented by F. Walker, Esq.

HLOROPS nasuta, *Meig. Dipt.* vi. 142, 5. *Macq. Hist. Nat. Dipt.* ii. 592, 7. Musca nasuta, *Gmel. Ed. Syst. Nat.* i. 5, 2863, 304. *Schrank, Ins. Austr.* 966. Musca, &c., *Geoff. Ins.* ii. 537, 87. *Schell. Gen. Mouch. pl.* 4, *f.* 1. M. lineata, *Schrank, Faun. Boic.* iii. 2462. M. umbelliferarum, *Schrank, Faun. Boic.* iii. 2463. Oscinis lineata, *Fall. Oscinid.* 4, 2. O. nasuta, *Zett. Ins. Lapp.* 779, 1.
England. Presented by F. Walker, Esq.
France.

HLOROPS læta, *Meig. Dipt.* vi. 143, 6. *Macq. Hist. Nat. Dipt.* ii. 592, 9. Oscinis lineata, var., *Fall. Oscinid.* 4, 2. O. lineata, *Zett. Ins. Lapp.* 779, 2.
England. Presented by F. Walker, Esq.

HLOROPS tæniopus, *Meig. Dipt.* vi. 144, 9. *Macq. Hist. Nat. Dipt.* ii. 593, 13.
England. Presented by F. Walker, Esq.
France.

HLOROPS notata, *Meig. Dipt.* vi. 144, 10.
England. Presented by F. Walker, Esq.

HLOROPS interrupta, *Meig. Dipt.* vi. 145, 11. *Macq. Hist. Nat. Dipt.* ii. 593, 14.
Var.? France.

CHLOROPS scalaris, *Meig. Dipt.* vi. 145, 12. *Macq. Hist. Nat.* *Dipt.* ii. 593, 15.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS speciosa, *Meig. Dipt.* vi. 146, 14. *Macq. Hist. Nat.* *Dipt.* ii. 594, 17.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS circumdata, *Meig. Dipt.* vi. 147, 17.
a. England. Presented by F. Walker, Esq.

CHLOROPS lineata, *Meig. Dipt.* vi. 149, 21. *Macq. Hist. Nat.* *Dipt.* ii. 595, 23. Musca lineata, *Fabr. Sp. Ins.* ii. 453, 9. *Ent. Syst.* iv. 356, 180. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 24. *Stew. El.* ii. 260. M. pumilionis, *Gmel. Ed. Syst. Nat.* i. 5, 2849, 217. Oscinis lineata, *Fabr. Syst. Antl.* 215, 4. *Lat.* *Gen. Crust.* iv. 351. O. pumilionis, *Fabr. Syst. Antl.* 216, 4.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS cereris, *Meig. Dipt.* vi. 150, 23. *Macq. Hist. Nat. Dipt.* ii. 596, 28. Chlorops scutellatus, *Panz. Faun. Germ.* 104, 21. Oscinis cereris, *Fall. Oscinid.* 5, 3.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS messoria, *Meig. Dipt.* vi. 151, 24. *Macq. Hist. Nat.* *Dipt.* ii. 596, 29. Oscinis messoria, *Fall. Oscinid.* 5, 4. *Zett.* *Ins. Lapp.* 780, 6.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS tarsata, *Meig. Dipt.* vi. 151, 25. *Macq. Hist. Nat.* *Dipt.* ii. 597, 31. Oscinis tarsata, *Fall. Oscinid.* 5, 5.
a. England. Presented by F. Walker, Esq.

CHLOROPS frontella, *Meig. Dipt.* vi. 155, 36. Oscinis frontella, *Fall. Oscinid.* 7, 10.
a. Var.? Stockholm. Presented by the Entomological Club.

›ROPS annulata, *Barnston's MSS. Flava, verticis macula pi-*
:ea, peristomate nigro bimaculato, thoracis vittis tribus nigris
:ubcinereis, pectore maculis quatuor piceis ornato, abdominis
lisco piceo segmentorum marginibus posticis flavis, antennis
'erruginеis, palpis pedibusque fulvis, alis limpidis.

Body yellow: crown adorned by a large triangular pitchy spot,
ı, with the exception of the hind border, is interrupted by two
er yellow streaks: eyes pitchy: sucker ferruginous: palpi
/: a black spot on each side of the fore border of the peristoma:
s ferruginous, nearly as long as the face, pitchy above and at
ps; third joint nearly round, much deeper than the second and
than twice its length: disk of the chest black, the three usual
:s being so broad as to leave no space between them, with the
ıtion of two yellow spots in front: two large shining nearly
;ular pitchy spots on each side of the breast: abdomen oval,
little longer than the chest, tawny along each side, pitchy
, with the exception of the hind borders of the segments: legs
tawny; knees and tips of the shanks paler: claws black; wings
rless; wing-ribs tawny; veins black; longitudinal veins
;ht; lower cross-vein straight, slightly oblique, parted by more
twice its length from the middle cross-vein, by seven times its
h from the end of the fourth longitudinal vein, and by more
twice its length from the end of the fifth longitudinal vein;
rs white. Length of the body 1¼ line; of the wings 2¼ lines.

. Martin's Falls, Albany River, Hudson's Bay. Presented by
G. Barnston, Esq.

›ROPS bistriata, *Barnston's MSS. Flava, verticis macula tho-*
racisque vittis tribus latis nigris, pectore vittis piceis et ferrugi-
ıeis ornato, abdomine supra nigro, antennis ferrugineis, pedibus
fulvis, alis limpidis.

Body bright yellow, shining: a black spindle-shaped spot on
rown, extending from the hind head to the base of the feelers:
pitchy, convex; facets rather large: sucker and palpi pale
y: feelers ferruginous, a little shorter than the face, black
e; third joint nearly round, much deeper than the second and
than twice its length; bristle black, bare, a little more than
: the length of the third joint: chest adorned with three very
l black stripes; scutcheon yellow; breast with two short pitchy
es, which have between them two triangular ferruginous marks
›uter sides of whose borders are pitchy: abdomen oval, not
er than the chest, black above: legs tawny; feet pale ferrugi-
ı, tawny at the base; claws black: wings colourless; wing-ribs

the facets very small: sucker and palpi ferruginous, the latter be
with black bristles: feelers ferruginous, nearly as long as the fa
first and second joints beset with a few black bristles; third ellip
cal, deeper than the second, and more than twice its length; bri
black, clothed to the tip with very short hairs, more than thrice t
length of the third joint: chest broad: abdomen tawny, obconi
thinly clothed with short black hairs and bristles, narrower but n
longer than the chest, adorned with three rows of black spots, th
are most distinct towards the tip, where the spots on the middle r
are oblong: legs ferruginous, clothed with a few black hairs a
bristles; claws black: wings slightly gray, with a tawny tinge al
the fore border; wing-ribs tawny; veins pitchy; longitudinal v
straight; lower cross-vein oblique, hardly curved inward, parted
more than twice its length from the middle cross-vein, by more t
thrice its length from the end of the fourth longitudinal vein, and
a little less than its length from the end of the fifth longitudi
vein; poisers pale ferruginous. Length of the body 1½ line; of
wings 3 lines.

a. Sandwich Islands. Presented by Capt. Beechey.

Chlorops, (n. g.?) maculata, n. s., fem. *Flava, capite fasciis mac
que duabus thorace pectoreque vittis quatuor nigris, thoracis d
fulvo, abdomine nigro quadrivittato, palpis antennisque fu
pedibus flavis, alis limpidis fusco confertim maculatis, vena
tudinali 4° arcuata.*

Body yellow: head and chest beset with a few black bris
black band on the crown, and a black spot at the base of each fe
epistoma prominent, with a slender black band at the base:
red; facets of the fore part much larger than those elsewh
sucker, palpi, and feelers tawny: feelers shorter than the face:
joint conical, not deeper than the second, but more than twic
length; bristle black, slender, yellow at the base, about twice
length of the third joint: chest adorned with four black stripes,
middle pair approaching each other towards the scutcheon, whi
adorned with a single stripe; disk of the chest tawny: two b
stripes on each side of the breast, whose disk also is partly bl
abdomen obconical, a little broader but not longer than the ch
adorned with four imperfect black stripes: legs pale yellow: c
black: wings colourless, adorned with more than twenty bro
spots; wing-ribs tawny; veins black, tawny towards the base.
gitudinal veins straight, with the exception of the fourth, which
curved upward to the middle cross-vein, then curved downward
the lower cross-vein, whence forming a very obtuse angle it proce
n a more direct line to the tip; basal cross-veins more in the

m those of other species of *Chlorops;* lower cross-vein straight, ghtly oblique, parted by little less than twice its length from the iddle cross-vein, by little more than twice its length from the end the fourth longitudinal vein, and by much less than its length m the end of the fifth longitudinal vein; poisers yellow. Length the body 1½ line; of the wings 3 lines.

Sierra Leone. Presented by the Rev. D. F. Morgan.

Div. B. *Meig.*

Oscinis, *Fabr.*

LOROPS palposa, *Meig. Dipt.* vi. 152, 28. Oscinis palposa, *Fall. Oscinid.* 6, 7. *Macq. Hist. Nat. Dipt.* ii. 598, 1.
England. Presented by F. Walker, Esq.
France.

LOROPS cornuta, *Meig. Dipt.* vi. 158, 48. Oscinis cornuta, *Fall. Oscinid.* 6, 6. *Macq. Hist. Nat. Dipt.* ii. 602, 20. *Zett. Ins. Lapp.* 780, 8.
England.

LOROPS brevipennis, *Meig. Dipt.* vi. 159, 49, *pl.* 61, *f.* 19, 20.
England.

LOROPS vindicata, *Meig. Dipt.* vi. 160, 51. Oscinis vindicata, *Macq. Hist. Nat. Dipt.* ii. 603, 26.
England. Presented by F. Walker, Esq.
England.
France.
Alten. Presented by F. Walker, Esq.

LOROPS Frit, *Meig. Dipt.* vi. 160, 52. Musca Frit, *Linn. Faun. Suec.* 1851. *Gmel. Ed. Syst. Nat.* i. 5, 2849, 90. *Fabr. Sp. Ins.* ii. 445, 50. *Ent. Syst.* iv. 333, 90. Oscinis Frit, *Fabr. Syst. Antl.* 216, 5. *Fall. Oscinid.* 7, 9. *Dahlbom, Scand. Ins. Zett. Ins. Lapp.* 781, 12.
——?

MEROMYZA, *Meig.*

MEROMYZA pratorum, *Meig. Dipt.* vi. 165, 1. *Macq. Hist. Nat. Dipt.* ii. 589, 3.
England. Presented by F. Walker, Esq.
England.
France.

MEROMYZA variegata, *Meig. Dipt.* vi. 165, 2. *Macq. Hist. Nat. Dipt.* ii. 589, 2. *Hal. Ent. Mag.* i. 172. *Zett. Ins. Lapp.* 778, 1.
a. England. Presented by F. Walker, Esq.
b. England.

MEROMYZA saltatrix, *Meig. Dipt.* vi. 165, 3. *Macq. Hist. Nat. Dipt.* ii. 5891, *pl.* 23, *f.* 12. *Zett. Ins. Lapp.* 778, 2. Musca saltatrix, *Linn, Faun. Suec.* 2319. Musca minuta, *Fabr. Ent. Syst.* iv. 361, 202. *Gmel. Ed. Syst. Nat.* i. 5, 2859, 254. M. clavicrus, *Gmel. Ed. Syst. Nat.* i. 5, 2862, 299. *Schrank. Ins. Austr.* 958. Tephritis minuta, *Fabr. Syst. Antl.* 323. 3. Oscinis saltatrix, *Fall. Oscinid.* 3, 1.
a. England. Presented by F. Walker, Esq.
b. England.

MEROMYZA viridula, *Haliday, Ent. Mag.* i. 172.
a. England. Presented by F. Walker, Esq.

AGROMYZA, *Fallen.*

Div. A. *Meig. pl.* 61, *f.* 33.

a. *Meig. Dipt.* vi. 168.

AGROMYZA reptans, *Megerle, Meig. Dipt.* vi. 168, 1. *Macq. Hist. Nat. Dipt.* ii. 606, 1. *Zett. Ins. Lapp.* 787, 1.
a. England. Presented by F. Walker, Esq.

AGROMYZA nigripes, *Meig. Dipt.* vi. 170, 7. *Macq. Hist. Nat. Dipt.* ii. 607, 8. *Zett. Ins. Lapp.* 788, 2.
a. England. Presented by F. Walker, Esq.

b. *Meig. Dipt.* vi. 173.

c. *Meig. Dipt.* vi. 174.

AGROMYZA denticornis, *Meig. Dipt.* vi. 175, 25. Chlorops denticornis, *Panz. Faun. Germ.* 104, 22. *Fall. Agromyz.* 9, 1. Oscinotocera denticornis, *Macq. Hist. Nat. Dipt.* ii. 614, 1, *pl.* 5, *f.* 18.
a. England. Presented by F. Walker, Esq.
b. Upsal. Presented by the Entomological Club.

›MYZA ornata, *Meig. Dipt.* vi. 176, 29.
ngland. Presented by F. Walker, Esq.

d. *Meig. Dipt.* vi. 177.

›MYZA latipes, *Meig. Dipt.* vi. 177, 34. *Macq. Hist. Nat. Dipt.* ii. 609, 20.
ngland. Presented by F. Walker, Esq.

Div. B. *Meig. pl.* 61, *f.* 36.

a. *Meig. Dipt.* vi. 178.

b. *Meig. Dipt.* vi. 179.

c. *Meig. Dipt.* vi. 180.

OMYZA variegata, *Meig. Dipt.* vi. 180, 43.
ngland. Presented by F. Walker, Esq.

Div. C. *Meig. pl.* 61, *f.* 35.

a. *Meig. Dipt.* vi. 182.

b. *Meig. Dipt.* vi. 184.

c. *Meig. Dipt.* vi. 184.

›MYZA exigua, *Meig. Dipt.* vi. 184, 58.
ngland. Presented by F. Walker, Esq.

›MYZA pusilla, *Meig. Dipt.* vi. 185, 60.
ngland. Presented by F. Walker, Esq.

›MYZA amæna, *Meig. Dipt.* vi. 187, 68. *Macq. Hist. Nat. Dipt.* ii. 613, 41.
ngland. Presented by F. Walker, Esq.

OMYZA ——— ?
ontainbleau. Presented by the Entomological Club.

OMYZA ——— ?
outh of France. Presented by the Entomological Club.

PHYTOMYZA, *Fallen.*

Div. A. *Meig. pl.* 62, *f.* 5.

PHYTOMYZA lateralis, *Fall. Phytomyz.* 3, 2. *Meig. Dipt.* vi. 18[illegible], 3. *Macq. Hist. Nat. Dipt.* ii. 616, 2, *pl.* 23, *f.* 19. *Zett. Ins. Lapp.* 794, 8. *Curt. Brit. Ent.* 277.
a. England. Presented by F. Walker, Esq.
b. France.

Div. B. *Meig. pl.* 62, *f.* 6.

a. *Meig. Dipt.* vi. 190.

PHYTOMYZA nigripennis, *Fall. Phytomyz.* 2, 1. *Meig. Dipt.* vi. 190, 5.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA obscurella, *Fall. Phytomyz.* 4, 8. *Meig. Dipt.* vi. 191, 6. *Macq. Hist. Nat. Dipt.* ii. 617, 5. *Zett. Ins. Lapp.* 792, 1.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by the Entomological Club.
c. Hammerfest. Presented by the Entomological Club.
d. Kaafiord. Presented by the Entomological Club.
e. Haparanda. Presented by the Entomological Club.
f. Gothenberg. Presented by the Entomological Club.

PHYTOMYZA nigra, *Meig. Dipt.* vi. 191, 7.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA atra, *Meig. Dipt.* vi. 191, 8. *Macq. Hist. Nat. Dipt.* ii. 617, 6.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA albipennis, *Fall. Phytomyz.* 4, 9. *Meig. Dipt.* vi. 19[illegible], 10. *Macq. Hist. Nat. Dipt.* ii. 617, 7.
a. England. Presented by F. Walker, Esq.

b. *Meig. Dipt* vi. 192.

PHYTOMYZA affinis, *Fall. Phytomyz.* 3, 3. *Meig. Dipt.* vi. 192. *Macq. Hist. Nat. Dipt.* ii. 618, 9. *Zett. Ins. Lapp.* 793, [illegible]
a. England.
b. Upsal. Presented by the Entomological Club.

YTOMYZA rufipes, *Meig. Dipt.* vi. 192, 13.
England. Presented by F. Walker, Esq.

YTOMYZA notata, *Meig. Dipt.* vi. 193, 16. *Macq. Hist. Nat. Dipt.* ii. 619, 16.
England. Presented by F. Walker, Esq.
Haparanda. Presented by the Entomological Club.

YTOMYZA terminalis, *Meig. Dipt.* vi. 195, 24. *Macq. Hist. Nat. Dipt.* ii. 619, 19.
England. Presented by F. Walker, Esq.

YTOMYZA pallida, *Meig. Dipt.* vi. 196, 25. *Macq. Hist. Nat. Dipt.* ii. 620, 21.
England. Presented by F. Walker, Esq.

YTOMYZA flava, *Fall. Phytomyz.* 3, 5. *Meig. Dipt.* vi. 196, 26. *Macq. Hist. Nat. Dipt.* ii. 620, 22.
England. Presented by F. Walker, Esq.

BORBORUS, *Meigen.*

Div. A. *Meig.*

a. *Meig.*

b. *Meig.*

Group Sphærocera, *Macq.*

* Lordatia, *Desv. Essai Myod.* 808.

† A. *Hal. Ent. Mag.* iii. 318.

BORBORUS subsultans, *Meig. Dipt.* vi. 200, 2. Musca subsultans, *Fabr. Sp. Ins.* ii. 444, 41. *Ent. Syst.* iv. 329, 72. *Schrank, Ins. Austr.* 940. *Gmel. Ed. Syst. Nat.* i. 5, 2847, 84. Calobata subsultans, *Fabr. Syst. Antl.* 264, 17. Rhagio subsultans, *Schrank, Faun. Boic.* iii. 2402. Sphærocera curvipes, *Latr. Gen. Crust.* iv. 359. Copromyza subsultans, *Fall. Heterom.* 7, 1. *Zett. Ins. Lapp.* 770, 2. Lordatia merdarum, *Desv. Essai Myod.* 808, 1. L. stercoraria, *Desv. Essai Myod.* 809, 2. L. cadaverina, *Desv. Essai Myod.* 809, 3. L. necrophaga, *Desv. Essai Myod.* 809, 5. Sphærocera subsultans, *Macq. Hist. Nat. Dipt.* ii. 565, 1, *pl.* 22, *f.* 17. *Hal. Ent. Mag.* iii. 318, 1.
England.
France.
Upsal. Presented by the Entomological Club.
Haparanda. Presented by the Entomological Club.

Borborus monilis. Sphærocera monilis, *Hal. Ent. Mag.* iii 319, 2.
a. England. Presented by F. Walker, Esq.

†† A. A. *Hal. Ent. Mag.* iii. 319.

Borborus vaporariorum. Lordatia coprina, *Desv. Essai Myod.* 809, 4. Sphærocera vaporariorum, *Hal. Ent. Mag.* iii 319, 3.
a. England. Presented by F. Walker, Esq.

** Coprina, *Desv. Essai Myod.* 810.

Borborus denticulatus, *Meig. Dipt.* vi. 200, 3. Coprina borb *Desv. Essai Myod.* 810, 1. Sphærocera denticulata, *Ma Hist. Nat. Dipt.* ii. 565, 2. *Hal. Ent. Mag.* iii. 320, 4.
a. England. Presented by F. Walker, Esq.

Borborus scabriculus. B. scabricula, *Haliday, Ent. Mag.* iii. 3 *Ann. Nat. Hist.* 1839, 188.
a. England. Presented by F. Walker, Esq.

c. *Meig.*

Group II. Borborus, *Hal. Ent. Mag.* iii. 320.

A. *Hal. Ent. Mag.* 321.

B. *Hal. Ent. Mag.* 321.

* Nerea, *Desv. Essai Myod.* 802.

Borborus nitidus, *Meig. Dipt.* vi. 201, 4. *Macq. Hist. N Dipt.* ii. 566, 1, *pl.* 22, *f.* 18. *Hal. Ent. Mag.* iii. 321. B. hamatus, *Hal. Ent. Mag.* i. 177. *Curt. Brit. Ent.* 4 Nerea nitidus, *Desv. Essai Myod.* 803, 3.
a. England. Presented by F. Walker, Esq.

** Mycetia, *Desv. Essai Myod.* 805.

Borborus suillorum, *Hal. Ent. Mag.* iii. 322, 2. Mycetia sil *Desv. Essai Myod.* 806, 2.
a. England. Presented by F. Walker, Esq.

ıORUS niger, *Meig. Dipt.* vi. 201, 6. *Macq. Hist. Nat. Dipt.* ii. 566, 3. *Hal. Ent. Mag.* iii. 322, 3.
ngland. Presented by F. Walker, Esq.

BB. *Hal. Ent. Mag.* iii. 323.

Sphærocera, *Desv. Essai Myod.* 807.

ıORUS equinus, *Meig. Dipt.* vi. 201, 5. *Macq. Hist. Nat. Dipt.* ii. 566, 2. *Hal. Ent. Mag.* iii. 323, 4. Copromyza :quina, *Fall. Heteromyz.* 6, 2. *Zett. Ins. Lapp.* 769, 1. Sphærocera communis, *Desv. Essai Myod.* 807, 1. S. fuligiıosa, *Desv. Essai Myod.* 807, 2. S. coprivora? *Desv. Essai Myod.* 807, 3.
ıgland.
ance.
——? From Mr. Children's collection.
ockholm. Presented by the Entomological Club.
ısal. Presented by the Entomological Club.
ıparanda. Presented by the Entomological Club.
ıllare. Presented by the Entomological Club.
ırasuwandra. Presented by the Entomological Club.
.utokeino. Presented by the Entomological Club.

ORUS nigrifemoratus, *Macq. Hist. Nat. Dipt.* ii. 567, 5. *Hal. Ent. Mag.* iii. 323, 5.
ıgland. Presented by F. Walker, Esq.

ORUS flavipennis, *Hal. Ent. Mag.* iii. 324, 6.
ıgland. Presented by F. Walker, Esq.

ORUS longipennis, *Hal. Ent. Mag.* iii. 324, 7.
ıgland. Presented by F. Walker, Esq.

ORUS vitripennis, *Meig. Dipt.* vi. 206, 20. *Hal. Ent. Mag.* ii. 325, 8.
gland. Presented by F. Walker, Esq.

ıORUS annulus, n. s., mas. et fem. *Niger, thorace subæneo, alpis piceis, antennis pedibusque nigris, tibiis basi apiceque fulıis, alis subfuscis fusca bimaculatis.*.

Body black, clothed with short black hairs: head beset with a ıng black bristles: eyes red: sucker and palpi pitchy: feelers ; bristle downy to the tip, six times the length of the third chest with a brassy tinge: legs black, clothed with short

black hairs; shanks at the base tawny, which colour is brightest and most prevalent on the hind shanks; tips of the shanks, especially of the hind pair tawny; middle feet dull tawny: wings slightly brown, wing-ribs and veins black; cross-veins clouded with brown; poises pitchy; fifth longitudinal vein not extending beyond the lower cross-vein. Length of the body 1¼—1½ line; of the wings 2½—3 lines.

a. York Factory. Presented by Dr. Rae.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Borborus quinque maculatus, n. s. *Niger, palpis antennis pedibusque piceis, tibiis fulvo bifasciatis, tarsis ferrugineo cinctis, alis fusco quinque maculatis.*

Body black, thickly beset with black hairs and bristles: suckers, palpi, and feelers pitchy: legs pitchy, thickly clothed with black hairs; a tawny ring round each shank, whose tip is also tawny: second and third joints of the feet ferruginous: wings pale brown, each adorned with five dark brown spots; wing-ribs and veins black. Length of the body 1½ line; of the wings 3 lines.

a. Monte Video. Presented by C. Darwin, Esq.

AA. *Hal. Ent. Mag.* iii. 325.

Borborus ater, *Meig. Dipt.* vi. 203, 11. *Hal. Ent. Mag.* iii. 325, 9. B. geniculatus, *Macq. Hist. Nat. Dipt.* ii. 567, 6.
a. England. Presented by F. Walker, Esq.

Group III. Limosina, *Macq.*

A. B. C. } *Hal. Ent. Mag.* iii. 326.

Borborus silvaticus, *Meig. Dipt.* vi. 207, 24. *Curt. Brit. Ent.* 469, 24. Mycetia claripennis, *Desv. Essai Myod.* 806. Limosina sylvatica, *Macq. Hist. Nat. Dipt.* ii. 572, 1. *Hal. Ent. Mag.* iii. 326, 1. Copromyza silvatica, *Zett. Ins. Lapp.* 771, 7.
a. England. Presented by F. Walker, Esq.

CC.
D. } *Hal. Ent. Mag.* iii. 327.

ORUS limosus, *Meig. Dipt.* vi. 207, 23. Copromyza limosa, *Fall. Heterom.* 8, 6. *Zett. Ins. Lapp.* 771, 6. Nerea riparia, *Desv. Essai Myod.* 802, 1. Limosina limosa, *Macq. Hist. Nat. Dipt.* ii. 327, 2. *Hal. Ent. Mag.* iii. 327, 2.
ngland. Presented by F. Walker, Esq.

ORUS humidus. Limosina humida, *Hal. Ent. Mag.* iii. 328, 3.
ngland. Presented by F. Walker, Esq.

DD. *Hal. Ent. Mag.* iii. 328.

ORUS arcuatus. Limosina arcuata, *Macq. Hist. Nat. Dipt.* ii. 572, 4. *Hal. Ent. Mag.* iii. 328, 4.
ngland. Presented by F. Walker, Esq.

ORUS geniculatus. Limosina geniculata, *Macq. Hist. Nat. Dipt.* ii. 328, 5. *Hal. Ent. Mag.* iii. 328, 5.
gland. Presented by F. Walker, Esq.

ORUS crassimanus. Nerea stercoraria? *Desv. Essai Myod.* 803, 2. Limosina crassimana, *Hal. Ent. Mag.* iii. 328, 6.
ngland. Presented by F. Walker, Esq.

ORUS ochripes, *Meig. Dipt.* vi. 209, 29. Limosina ochripes, *Macq. Hist. Nat. Dipt.* ii. 572, 5. *Hal. Ent. Mag.* iii. 329, 7. Copromyza ochripes, *Zett. Ins. Lapp.* 771, 10.
ngland. Presented by F. Walker, Esq.

ORUS scutellaris. Limosina scutellaris, *Hal. Ent. Mag.* iii. 329, 8.
ngland. Presented by F. Walker, Esq.

ORUS nivalis, *Hal. Ent. Mag.* i. 178. *Curt. Brit. Ent.* 469, 29. Limosina nivalis, *Hal. Ent. Mag.* iii. 330, 9.
ngland. Presented by F. Walker, Esq.

ORUS fungicola. Limosina fungicola, *Hal. Ent. Mag.* iii. 330, 11.
ngland. Presented by F. Walker, Esq.

ORUS clunipes, *Meig. Dipt.* vi. 208, 26. Limosina clunipes, *Macq. Hist. Nat. Dipt.* ii. 573, 7. *Hal. Ent. Mag.* iii. 331, 13.
ngland. Presented by F. Walker, Esq.

Borborus pumilio, *Meig. Dipt.* 208, 27. Limosina pumilio, *Macq. Hist. Nat. Dipt.* ii. 573, 8. Copromyza pumilio, *Zett. Ins. Lapp.* 771, 9.
a. England. Presented by F. Walker, Esq.

BB. *Hal. Ent. Mag.* iii. 332.

Borborus fuscipennis, *Hal. Ent. Mag.* i. 178. Limosina fuscipennis, *Hal. Ent. Mag.* iii. 332, 16.
a. England. Presented by F. Walker, Esq.

BBB. *Hal. Ent. Mag.* iii. 332.

Borborus vagans, *Hal. Ent. Mag.* i. 178. Limosina vagans, *Hal. Ent. Mag.* iii. 332, 17.
a. England. Presented by F. Walker, Esq.

Borborus lugubris. Limosina lugubris, *Hal. Ent. Mag.* iii. 332, 18.
a. England. Presented by F. Walker, Esq.

AA, B, C } *Hal. Ent. Mag.* iii. 333.

Borborus Zosteræ, *Hal. Ent. Mag.* i. 178. Limosina Zosteræ, *Hal. Ent. Mag.* iii. 333, 19.
a. England. Presented by F. Walker, Esq.

Borborus leucopterus. Limosina leucoptera, *Hal. Ent. Mag.* iii. 333, 20.
a. England. Presented by F. Walker, Esq.

CC. *Hal. Ent. Mag.* iii. 334.

Borborus nigerrimus, *Hal. Ent. Mag.* i. 178. *Curt. Brit. Ent.* 469, 29, *b.* Limosina minima, *Macq. Hist. Nat. Dipt.* ii. 573, 9. L. nigerrima, *Hal. Ent. Mag.* iii. 334, 21.
a. England. Presented by F. Walker, Esq.

BB. *Hal. Ent. Mag.* iii. 334.

RBORUS melanius. Limosina melania, *Hal. Ent. Mag.* iii. 334, 22.
England. Presented by F. Walker, Esq.

d. *Meig. Dipt.* vi. 206, *pl.* 62, *f.* 19.

Group IV. Heteroptera, *Macq.*

RBORUS pusillus, *Meig. Dipt.* vi. 206, 22. Copromyza pusilla, *Fall. Heterom.* 8, 5. *Zett. Ins. Lapp.* 770, 3. C. subsultans, var. β, *Fall. Heterom.* 7, 3. Heteroptera pusilla, *Macq. Hist. Nat. Dipt.* ii. 570, 1. *Hal. Ent. Mag.* iii. 335, 1.
England. Presented by F. Walker, Esq.

B. *Meig. Dipt.* vi. 209.

Group V. Apterina, *Macq.*

RBORUS pedestris, *Meig. Dipt.* vi. 209, 30, *pl.* 62, *f.* 21. Apterina pedestris, *Macq. Hist. Nat. Dipt.* ii. 574, 1. *Hal. Ent. Mag.* iii. 326, 1.
England.

Group Bacchis, *Desv. Essai Myod.* 803.

Group Fimetia, *Desv. Essai Myod.* 810.

Group Scatophora, *Desv. Essai Myod.* 811.

Group Olina, *Desv. Essai Myod.* 812.

RBORUS ——— ?
——— ? Presented by the Entomological Club.

ORYGMA, *Meigen.*

RYGMA luctuosa, *Meig. Dipt.* vi. 6, 1, *pl.* 55, *f.* 13—17. *Macq. Hist. Nat. Dipt.* ii. 419, 1. *Zett. Ins. Lapp.* 768, 1. Hippobosca marina, *Montagu, MSS.?*
England. Presented by F. Walker, Esq.

Cœlopa, *Meigen.*

Group I. Cœlopa, *Hal. Ann. Nat. Hist.* ii. 186.

Cœlopa pilipes, *Hal. Ann. Nat. Hist.* 1839, 186. C. frig[illegible] *Meig. Dipt.* vi. 8, 1. *Macq. Hist. Nat. Dipt.* ii. 502, 1. [illegible] pobosa marina, *Montagu, MSS.?*
a. England. Presented by F. Walker, Esq.
b. England.

Group II. Fucomyia, *Hal. Ann. Nat. Hist.* ii. 186.

Cœlopa frigida, *Hal. Ann. Nat. Hist.* ii. 186, 2. *Zett. Ins. L*[illegible] 769, 1. Musca frigida, *Fabr. Syst. Antl.* 307, 116. Co[illegible] myza frigida, *Fall. Heteromyz.* 6, 1. Cœlopa gravis, [illegible] *Ent. Mag.* i. 167. Psalidomyia fucicola, *Doumerc, Ann.* [illegible] *Ent. Fr.* 1839, 89.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Alten. Presented by F. Walker, Esq.

Cœlopa simplex, *Hal. Ent. Mag.* i. 167. *Ann. Nat. Hist.* ii. [illegible]
a. England. Presented by F. Walker, Esq.
b. England.

Cœlopa parvula, *Hal. Ent. Mag.* i. 167. *Ann. Nat. Hist.* ii. [illegible]
a. England. Presented by F. Walker, Esq.
b. England.

Group III. Malacomyza, *Hal. Ann. Nat. Hist.* ii. 186.

Cœlopa sciomyzina, *Hal. Ent. Mag.* i. 167. *Ann. Nat. Hist.* [illegible] 186.
a. England. Presented by F. Walker, Esq.
b. England.

Group IV.

Cœlopa glabra, n. s., mas. et fem. *Nigra, capite antico palpis* [illegible] *rufis, antennis nigris, pedibus rufis, femoribus nigris, alis sub*[illegible] *nereis.*

Body black, linear: head and chest beset with a few bla[illegible] bristles: head red in front and beneath, where it is clothed wi[illegible]

te hairs: eyes pitchy; facets of the fore part a little larger than se elsewhere: sucker black, clothed with hoary hairs; palpi red, t with black bristles: sides of the face without bristles; epistoma htly prominent: feelers black, shorter than the face; third joint ical, much longer than the second; bristle slender, bare, stout at base, about twice the length of the third joint: abdomen clothed ı short black hairs, much longer than the chest: legs red, clothed ı short black hairs; thighs black, with red tips; a black band ıd each shank; claws black: wings slightly gray; wing-ribs and ıs black; longitudinal veins straight; lower cross-vein straight, htly oblique, parted by much more than twice its length from middle cross-vein, by more than thrice its length from the end he fourth longitudinal vein, and by one-third of its length from end of the fifth longitudinal vein; poisers red. Length of the y 3—4 lines; of the wings 8—10 lines.

England.

PHORA, *Latreille.*

Div. a. *Meig. pl.* 63, *f.* 5.

ORA incrassata, *Meig. Dipt.* vi. 212, 1, *pl.* 63, *f.* 5. *Macq. Hist. Nat. Dipt.* ii. 630, 25.
England. Presented by F. Walker, Esq.
France.

Div. b. *Meig. pl.* 63. *f.* 6.

IORA maculata, *Meig. Dipt.* vi. 214, 7.
England. Presented by F. Walker, Esq.

IORA thoracica, *Latr. Gen. Crust.* iv. 360, *pl.* 15, *f.* 12. *Meig. Dipt.* vi. 214, 8. *Macq. Hist. Nat. Dipt.* ii. 625, 1, *pl.* 24, *f.* 1. Trineura thoracica, *Meig. Klass.* i. 2, 313, 21. *Fall. Phytomyz.* 6, 3. *Zett. Ins. Lapp.* 795, 2.
England. Presented by F. Walker, Esq.
——— ?

HORA abdominalis, *Meig. Dipt.* vi. 225, 40. *Curt. Brit. Ent.* 437. Trineura abdominalis, *Fall. Phytomyz.* 5, 2.
England.

'HORA dimidiata, *Meig. Dipt.* vi. 215, 9.
England. Presented by F. Walker, Esq.

PHORA urbana, *Meig. Dipt.* vi. 215, 11. *Macq. Hist. Nat. Dipt.* ii. 627, 8.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by F. Walker, Esq.

PHORA opaca, *Meig. Dipt.* vi. 216, 12. *Macq. Hist. Nat. Dipt.* ii. 627, 9.
a. England. Presented by F. Walker, Esq.
b. France.
c. (Var.?) Alten. Presented by F. Walker, Esq.

PHORA fuscipes, *Macq. Hist. Nat. Dipt.* ii. 627. *Hardy, Zoolog.* 2099.
a. England. Presented by F. Walker, Esq.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PHORA annulata, *Meig. Dipt.* vi. 216, 14. *Macq. Hist. Nat. Dipt.* ii. 627, 11.
a. England. Presented by F. Walker, Esq.

PHORA rufipes, *Meig. Dipt.* vi. 216, 15. *Macq. Hist. Nat. Dipt.* ii. 627, 12. P. pallipes, *Latr. Gen. Crust.* iv. 360. Trineura rufipes, *Fabr. Syst. Antl.* 336, 1. *Meig. Klass.* i. 2, 313, 3, pl. 15, *f.* 23. *Zett. Ins. Lapp.* 795, 3. *Fall. Phytomyz.* 6, 5.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Stockholm. Presented by the Entomological Club.
e. Gothenberg. Presented by the Entomological Club.
f. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PHORA lugubris, *Meig. Dipt.* vi. 217, 17.
a. England. Presented by F. Walker, Esq.
b. Kaafiord. Presented by the Entomological Club.
c. Haparanda. Presented by the Entomological Club.
d. Upsal. Presented by the Entomological Club.

PHORA nigra, *Meig. Dipt.* vi. 218, 18. *Macq. Hist. Nat. Dipt.* ii. 628, 14.
a. England. Presented by F. Walker, Esq.

PHORA pumila, *Meig. Dipt.* vi. 218, 20.
a. England. Presented by F. Walker, Esq.

ORA **bicolor**, *Megerle*, *Meig. Dipt.* vi. 219, 23. *Macq. Hist. Nat. Dipt.* ii. 628, 16.
England. Presented by F. Walker, Esq.

ORA **fasciata**, *Meig. Dipt.* vi. 225, 41. Trineura fasciata, *Fall. Phytomyz.* 7, 9.
England. Presented by F. Walker, Esq.

ORA **lutea**, *Meig. Dipt.* vi. 220, 25. *Macq. Hist. Nat. Dipt.* ii. 628, 18. Trineura flava, var., *Fall. Phytomyz.* 7, 8. T. lutea, *Zett. Ins. Lapp.* 797, 11.
England. Presented by F. Walker, Esq.

Div. *c. Meig. pl.* 63, *f.* 7.

ORA **crassicornis**, *Meig. Dipt.* vi. 220, 26. *Macq. Hist. Nat. Dipt.* ii. 629, 22, *pl.* 24, *f.* 3.
England. Presented by F. Walker, Esq.

Div. *d. Meig. pl.* 63, *f.* 8.

ORA **funebris**, *Meig. Dipt.* vi. 221, 30.
England. Presented by F. Walker, Esq.

ORA **florea**, *Meig. Dipt.* vi. 221, 31. *Macq. Hist. Nat. Dipt.* ii. 629, 20. Bibio florea, *Fabr. Ent. Syst.* iv. 255, 8. *Syst. Antl* 68, 9.
England. Presented by F. Walker, Esq.

Div. e. *Meig. pl.* 63, *f.* 9.

Gymnophora, *Macq.*

ORA **arcuata**, *Meig. Dipt.* vi. 222, 33. Gymnophora arcuata, *Macq. Hist. Nat. Dipt.* ii. 631, 1, *pl.* 24, *f.* 5. Trineura rufipes, *Fall. Phytom.* 5, 1. T. arcuata, *Zett. Ins. Lapp.* 795, 1.
England. Presented by F. Walker, Esq.

Div. f. Conicera, *Meig. pl.* 63, *f.* 10,

PHORA Dauci, *Meig. Dipt.* vi. 223, 34. Conicera atra, *Meig. Dipt.* vi. 226, 1, *pl.* 63, *f.* 12, 13. *Macq. Hist. Nat. Dipt.* ii. 632, 1, *pl.* 24, *f.* 6.
a. England.

Div. g. *Meig.* pl. 63, *f.* 11.

PHORA aterrima, *Latr. Hist. Nat. Cr.* xiv. 394. *Gen. Crust.* iv. 39[illegible] *Meig. Dipt.* vi. 224. *Macq. Hist. Nat. Dipt.* ii. 629, 23, *pl.* 2[illegible], *f.* 4. Musca aterrima, *Fabr. Ent. Syst.* iv. 334, 93. Musca &c., *Geoff. Ins.* ii. 533, 76. *Schell. Mouch. t.* 12, *f.* 1. *Fab. Icon. t.* 24, *f.* 3. Tephritis aterrima, *Fabr. Syst. Antl.* 323, [illegible] Trineura atra, *Meig. Klass.* i. 2, 313, 1, *pl.* 15, *f.* 22. *Fall. Phytomyz.* 7, 7. *Zett. Ins. Lapp.* 796, 8.
a. England. Presented by F. Walker, Esq.
b. ——— ? From Mr. Children's collection.
c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PHORA stictica, *Meig. Dipt.* vi. 225, 39. Trineura stictica *Zett. Ins. Lapp.* 797, 9.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by F. Walker, Esq.
c. Hammerfest. Presented by F. Walker, Esq.

Div, h. Metopina, *Macq.*

PHORA galeata, *Hal. Ent. Mag.* i. 179. Metopina galeata, *Macq. Hist. Nat. Dipt.* ii. 666, 1.
a. England. Presented by F. Walker, Esq.
b. Fontainbleau. Presented by the Entomological Club.

CELYPHUS, *Dalman.*

CELYPHUS obtectus, *Dalm. Analecta Ent.* 32, 1, *pl.* 2, *B. f.* 1—5. *Act. Holm.* 1818, i. 72. *Wied. Auss. Zweif.* ii. 601, 1, *pl.* 1, *f.* 8.
a. Philippine Islands. From Mr. Cuming's collection.
b. ——— ?

CELYPHUS scutatus, *Wied. Auss. Zweif.* ii. 601, 2.
a. Philippine Islands. From Mr. Wood's collection.

PPOBOSCA rufipes, *Wied. Auss. Zweif.* ii. 604, 3. H. maculata, *Macq. Hist. Nat. Dipt.* ii. 638, 2.
Congo. Presented by Sir J. Richardson.

PPOBOSCA Francilloni, *Leach, Eprob. Ins.* 8, 2, *pl.* 26, *f.* 8—10. *Wied. Auss. Zweif.* ii. 605, 4.
Bengal.
Interior of South Africa. Presented by the Earl of Derby.
——— ?

OLFERSIA, *Wiedemann.*

FERSIA americana, *Weid. Auss. Zweif.* ii. 606, 1. *Macq. Hist. Nat. Dipt.* ii. 640, 4. Feronia americana, *Leach, Eprob. Ins.* 11, 2, *pl.* 27, *f.* 1—3.
St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
North America. From Mr. Children's collection.
Georgia. From Mr. Abbot's collection.

FERSIA Macleayi, *Leach, Eprob. Ins. Weid. Auss. Zweif.* ii. 608, 3.
New Holland?

FERSIA propinqua, n. s. *Viridi-picea, capite antico pallidiore, pedibus fulvis, femoribus nigro subvittatis, tarsis piceis, alis fuscis.*

Body pitchy, smooth, shining; shoulders, front of the head and uth paler; sides of the crown metallic green; chest more slightly tallic: tip of the abdomen beset with a few black bristles: legs vny; thighs slightly streaked with black; feet pitchy; claws ck: wings brown; wing-ribs and veins pitchy. Length of the dy 1½ line; of the wings 5 lines.

Jamaica. From Mr. Gosse's collection.

ORNITHOBIA, *Meigen.*

NITHOBIA pallida, *Meig. Dipt*, vi. 230, 1, *pl.* 63, *f.* 21—24. *Macq. Hist. Nat. Dipt.* ii. 639, 1, *pl.* 24, *f.* 9. *Siebold, Ent. Zeit. Stett.* vi. 275. Alaphagus pallidus, *Gimmerthal, Ent. Zeit. Stett.* vi. 152.
France.
Albania. Presented by W. W. Saunders, Esq.
Albania. From Mr. Walker's collection.
North Bengal. From Miss Campbell's collection.
Egypt. Presented by Sir Gardner Wilkinson.
——— ? From Mr. Children's collection.

ORNITHOBIA capensis, n. s. *Picea, capite fulvo antice flavo, vertice vitta ferruginea, pedibus fulvis, alis limpidis.*

Body pitchy, smooth, shining: head tawny, yellow in front, having on the crown a large dull ferruginous obconical mark, which is slightly concave at the base and truncated at the tip: eyes pitchy: the facets rather large: borders of the chest and spines of the shoulders ferruginous: abdomen dull, clothed with short black hairs: legs tawny, beset with a few bristles; claws black; foot-cushions yellow: wings colourless; veins dark tawny. Length of the body 1 line: of the wings 4 lines.

a. Natal. From Dr. Krauss' collection.

ORNITHOBIA, n. s.?
a. ——— ?

ORNITHOMYIA, *Leach.*

ORNITHOMYIA avicularia, *Leach, Eproboscid.* 15, 5, *pl.* 25, *f.* 4. *Meig. Dipt.* vi. 232, 1, *pl.* 64, *f.* 1—4. *Macq. Hist. Nat. Dipt.* ii. 641, 1, *pl.* 24, *f.* 11. *Oken, Lehrbuch der Nat.* 533, 1, *pl.* 14. Hippobosca avicularia, *Linn Syst. Nat.* i. 1010, *Faun. Suec.* 1922. *Gmel. Ed. Syst. Nat.* i. 5, 2904. *Fabr. Sp. Ins.* ii. 275, 2. *Ent. Syst.* iv. 415, 2. *Syst. Ant.* 338, 3. *Schell. Gen. Mouch. pl.* 42, *f.* 3. *Schrank, Fauna Boic.* iii. 2584. *Deg. Ins.* vi. 114, 2, *pl.* 16, *f.* 21—25. *Stew. El.* 274. *Turt.* iii. 687? *Shaw, Gen. Zool.* vi. 402, *pl.* 115? *Fall. Hæmatomyz.* 15, 2.
a. England.
b. Alten. Presented by the Entomological Club.

ORNITHOMYIA viridis, *Leach, Eprob.* 14, 4, *pl.* 25, *f.* 1—3. *Leach Gen. Crust.* iv. 362. *Schell. Gen. Mouch. pl.* 42, *f.* 2. *Meig. Dipt.* vi. 232, 2, *pl.* 64, *f.* 1. *Macq. Hist. Nat. Dipt.* ii. 642, 2.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

ORNITHOMYIA Australasiæ, *Leach, Eprob. Ins.* 12, 1, *pl.* 25, *f.* 6—8. *Weid. Auss. Zweif.* ii. 608, 1. Hippobosca Australasiæ *Fabr. Syst.* 337, 1. *Oliv. Encyc. Meth. Ins.* viii. 544, 1.
a. New Holland. From Mr. Gould's collection.

ORNITHOMYIA nigricans, *Leach, Eprob. Ins.* 12, 2, *pl.* 27, *f.* 7—9. *Wied. Auss. Zweif.* ii. 609, 3.
a. Bengal.

NITHOMYIA erythrocephala, *Leach*, *Eprob. Ins.* 13, 3, *pl.* 27, *f.* 4—6. *Wied. Auss. Zweif.* ii. 610, 5.
Brazil.
Peru. From Mr. Children's collection.
Jamaica. From Mr. Gosse's collection.
Jamaica. On Corvus Jamaicensis. From Mr. Gosse's collection.
Jamaica. On Columba rufina. From Mr. Gosse's collection.
Jamaica. On Tityra leuconotus. From Mr. Gosse's collection.
Jamaica. On Geotrygon montana. From Mr. Gosse's collection.
Jamaica. On Geotrygon sylvatica. From Mr. Gosse's collection.
Jamaica. On Turtur leucopterus. From Mr. Gosse's collection.
Jamaica. On Ephialtes grammicus. From Mr. Gosse's collection.
Jamaica. On Samothera vetula. From Mr. Gosse's collection.
Jamaica. On Herodias virescens. From Mr. Gosse's collection.
Jamaica. On Falco columbarius. From Mr. Gosse's collection.
Jamaica. On Peristora Jamaicensis. From Mr. Gosse's collection.
Jamaica. On Strix pratincola. From Mr. Gosse's collection.
Jamaica. On Zenaida amabilis. From Mr. Gosse's collection.
Venezuela. From Mr. Dyson's collection.
——? From Mr. Children's collection.
——?

NITHOMYIA nebulosa, *Say*, *Journ. Acad. Philad.* iii. 102, 1. *Wied. Auss. Zweif.* ii. 610, 6.
North America.

NITHOMYIA pallida? *Say*, *Journ. Acad. Philad.* iii. 108, 2. *Wied. Auss. Zweif.* ii. 610, 7.
Nova Scotia. From Lieut. Redman's collection.

NITHOMYIA parva? *Macq. Hist. Nat. Dipt.* ii. 3, 279, 3.
——?

NITHOMYIA nigra? Hippobosca nigra? *Perty*, *Del. Anim. Art.* 190, *pl.* 37, *f.* 15.
St. Paul's, Brazil. Presented by C. Darwin, Esq.

ORNITHOMYIA intertropica, n. s. *Picea, ferrugineo varia, vertice margine albido, pedibus fulvis, alis fuscis.*

Body pitchy, smooth, shining, thinly clothed with short tawny hairs: crown of the head ferruginous, with whitish borders; mouth and appendages tawny: chest ferruginous on each side and behind and adorned with a ferruginous stripe: abdomen dull, its tip beset with a few stout black bristles: legs dark tawny, clothed with short black hairs and bristles; claws black; wings brown; wing-ribs and fore border veins pitchy; the other veins dark tawny. Length of the body 3 lines; of the wings 8 lines.

a. Galapagos. Presented by C. Darwin, Esq.

ORNITHOMYIA unicolor, n. s. *Nigro-picea, pedibus piceis, alis fuscis.*

Body, including the mouth and appendages, pitchy-black: head and chest shining: head smooth: eyes pitchy; the facets rather large: chest finely punctured: abdomen dull: legs pitchy, clothed with short black hairs and bristles; claws black: wings brown; wing-ribs and fore border veins pitchy; the other veins dark tawny. Length of the body 3¼ lines; of the wings 9 lines.

a. Jamaica. On Ephialtes grammicus. From Mr. Gosse's collection.

b. Jamaica. On Frigata aquilus. From Mr. Gosse's collection.

ORNITHOMYIA remota, n. s. *Fulva, scutello sulcis transversis vittato, pedibus fulvis, alis subfuscis,*

Body pale tawny: head and chest smooth, shining: eyes pitchy; facets rather large: mouth pitchy: scutcheon traversed by a row of slight furrows, widening from the fore border to the hind border, which is beset with a few stout black bristles: abdomen mostly dull, clothed with short black hairs, its tip beset with long black bristles: legs tawny, thickly clothed with black hairs and bristles; claws black: wings pale brown; wing-ribs and veins pitchy. Length of the body 2 lines; of the wings 6 lines.

a. Isle of Tristram da Cunha. From Dr. Leach's collection.

ORNITHOMYIA vicina, n. s. *Picea, capite humeris abdominis basi segmentorum marginibus posticis apice fulvis, pedibus fulvis femoribus basi coxisque pallidioribus, tarsis piceis, alis subfuscis.*

Body pitchy, smooth, shining: head, shoulders, and base of the abdomen dark tawny: tip of the abdomen beset with black

es; hind borders of its latter segments pale; legs tawny, d with black hairs; thighs at the base and hips pale tawny; pitchy; claws black: wings pale brown; veins pitchy; fore r veins at intervals, and wing-ribs pale tawny; second longi- al vein united to the costal vein long before the end of the . Length of the body 1 line; of the wings 4 lines.

maica. On Ephialtes grammicus. From Mr. Gosse's collec- ion.

THOMYIA, n. s.?
maica. On Psittacus leucocephalus. From Mr. Gosse's col- ection.

THOMYIA, opposita, n. s. *Fulva, antennis palpisque fuscis, tho- race antico bispinoso, pedibus viridi-fulvis, alis subfuscis.*

Body tawny, smooth, shining, thinly beset with black bristles: s and palpi dark brown: eyes and eyelets pitchy; facets of yes rather large, especially next the crown: a short spine pro- g on each side of the fore border of the chest, which has one tudinal and two cross furrows, one of the latter disappears in isk: abdomen dull, thickly clothed with black hairs: legs pale y, tinged with green, beset with a few bristles; claws black; ushions whitish: wings pale brown; wing-ribs pitchy; veins . Length of the body 2 lines; of the wings 5 lines.

ew Zealand. From Mr. Earl's collection.

THOMYIA fulvifrons, n. s. *Picea, capite antico fulvo, thoracis pinis apice flavis, pedibus fusco-fulvis, tarsis piceis, alis lim- vidis.*

Body pitchy, smooth, shining: fore part of the head, mouth all the appendages bright tawny, beset with tawny bristles; n dull in the middle, where one longitudinal and two diagonal ws meet: a large spine, pale yellow towards the tip, projecting ch side of the fore border of the chest, whose two furrows are ete at their point of intersection: hind border of the scutcheon d with a row of short black bristles: abdomen dull, clothed short black hairs: legs brownish tawny, beset with black bris- feet pitchy; knees and claws black; foot-cushions yellow: s colourless; wing-ribs and veins pitchy; fore border veins . Length of the body 2 lines; of the wings 6 lines.

maica. On Ortyx Virginiana. From Mr. Gosse's collection.

ORNITHOMYIA varipes, n. s. *Fulva, verticis vitta antice pica, thorace bisulcato, abdomine piceo, pedibus fulvis, femoribus ha viridibus, tibiarum vittis tarsisque piceis, alis limpidis.*

Body dark tawny, smooth, shining; front of the head and mouth beset with bristles; crown with a broad dull stripe, whose fore border is pitchy: eyes pitchy: two indistinct furrows on the chest, one longitudinal, the other transverse, quite obsolete at the point of intersection: abdomen pitchy, dull, clothed with black hairs: legs tawny, beset with black bristles; thighs at the base bright green; shanks with pitchy streaks; feet pitchy; claws black, long: wings colourless; wing-ribs pitchy; fore border veins black, the other veins dull tawny. Length of the body 2 lines: of the wings 5 lines.

a. Columbia. Presented by M. Goudot.

OXYPTERUM, *Leach.*

OXYPTERUM pallidum, *Leach, Eprob.* 171, *pl.* 25, *f.* 12—14. Mouche araignée, *Geoff. Ins.* ii. 547, 2. Hippobosca Hirundinis, *Panz. Faun. Germ.* 7, 24. *Schæff. Icon. pl.* 53, *f.* 1, 2. Anapera pallida, *Meig. Dipt.* vi. 235, 1, *pl.* 64, *f.* 12—14. *Macq. Hist. Nat. Dipt.* ii. 643, 1, *pl.* 24, *f.* 12.

a. England.

STREBLA, *Wiedemann.*

STREBLA Vespertilionis, *Wied. Auss. Zweif.* ii. 612, 1, *pl.* 10, *f.* 1. *Latr. Regn. Anim.* *Macq. Hist. Nat. Dipt.* ii. 637, 1, *pl.* 3, *f.* 7. Hippobosca Vespertilionis, *Fabr. Syst. Antl.* 339. *Wied. Analecta, Ent.* 19, *f.* 7.

a. Columbia. Presented by M. Goudot.
b. Jamaica. From Mr. Gosse's collection.

STREBLA Africana, n. s. *Lutea, alis fulvo-albidis.*

Body and legs luteous, clothed with luteous hairs: eyes pitchy: smooth, very small: wings fringed, whitish, with a tawny tint, which is most prevalent on the fore border and along the sides of the veins; wing-ribs and veins tawny; first longitudinal vein slightly waving, joining the fore border at two-thirds of the length of the wing; second joining the fore border at half the distance between the end of the first and the tip of the wing; third proceeding

an outward angle formed by the middle cross-vein and joining p of the wing; fourth ending in the border just below the tip; slightly waving, stopping a little short of the hind border; r cross-vein straight, nearly upright, parted by six times its h from the middle cross-vein, by four times its length from nd of the fourth longitudinal vein, and by less than its length the end of the fifth longitudinal vein. Length of the body ¾ of the wings 2 lines.

ape. From Dr. Krauss' collection.

CRATERINA, *Olfers.*

TERINA Hirundinis, *Olfers*, *Curt. Brit. Ent.* iii. 122. Hippobosca Hirundinis, *Linn. Syst. Nat.* ii. 1010. *Faun. Suec.* 1923. *Fabr. Sp. Ins.* ii. 475, 3. *Ent. Syst.* iv. 415, 3. *Syst. Antl.* 339, 5. *Gmel. Ed. Syst. Nat.* i. 5, 2905, 3. *Schrank, Faun. Boic.* iii. 2585. *Berk. Syn.* i. 168. *Don. Brit. Ins.* viii. 45, *pl.* 268, *f.* 1. *Stew. El.* ii. 274. *Turt.* iii. 687. *Shaw, Gen. Zool. Ins.* vi. 403. *Wood, Ins.* ii. 109, *pl.* 72. *Fall. Hæmatom.* 15, 3. Ornithomyia Hirundinis, *Latr. Gen. Crust.* iv. 362. Stenepteryx Hirundinis, *Leach, Eprob.* 16, 1, *pl.* 25, *f.* 9—11. *Meig. Dipt.* vi. 234, 1, *pl.* 64, *f.* 5—9. *Macq. Hist. Nat. Dipt.* ii. 644, 1, *pl.* 24, *f.* 13.
England.
——? From Mr. Children's collection.

MELOPHAGUS, *Latreille.*

OPHAGUS ovinus, *Latr. Hist. Nat. Crust.* xiv. 403. *Gen. Crust.* iv. 363. *Leach, Eprob.* 18, 1, *pl.* 26, *f.* 14, 15. *Meig. Dipt.* vi. 236, 1, *pl.* 64, *f.* 16—18. *Curt. Brit. Ent.* iii. *pl.* 142. *Macq. Hist. Nat. Dipt.* ii. 645, 1, *pl.* 24, *f.* 15. Hippobosca ovina, *Linn. Syst. Nat.* ii. 1011. *Faun. Suec.* 1923. *Gmel. Ed. Syst. Nat.* i. 5, 2905, 4. *Fabr. Sp. Ins.* ii. 475, 4. *Ent. Syst.* iv. 416, 4. *Syst. Antl.* 339, 7. *Schrank, Faun. Boic.* iii. 2586. *Ins. Austr.* 1008. *Don. Brit. Ins.* viii. 46, *pl.* 268, *f.* 2. *Stew. El. Nat. Hist.* ii. 274. *Turt.* iii. 687. *Shaw, Gen. Zool. Ins.* vi. 403. *Panz. Faun. Germ.* 51, 14. *Fall. Hæmatomyx.* 15, 4.
England.
——? From Mr. Children's collection.

LEPTOPTENA, *Nitzsch.*

LEPTOPTENA Cervi, *Nitzsch, Latr. Regn. Anim.* Pediculus Cervi, *Linn. Faun. Suec.* 1944. *Gmel. Ed. Syst. Nat.* i. 5, 2916, 7. *Fabr. Sp. Ins.* ii. 477, 5. *Ent. Syst.* iv. 418, 5. *Syst. Ant.* 341, 6. *Panz. Faun. Germ.* 51, 15. Melophagus Cervi, *Meig. Dipt.* vi. 237, 2. *Macq. Hist. Nat. Dipt.* ii. 645, 1.
a. ——— ?

NYCTERIBIA, *Latreille.*

NYCTERIBIA Sykesii ? *Westw. Zool. Soc. Trans.* i. 288, 1, *pl.* 36. *f.* 1—25.
a. Natal. From Dr. Krauss' collection.

NYCTERIBIA Hopei, *Westw. Zool. Soc. Trans.* i. 289, 2, *pl.* 36. *f.* 26—28.
a. Bengal. From Mr. Westwood's collection.

NYCTERIBIA Blainvillei, *Westw. Zool. Soc. Trans.* i. 289, 4, *pl.* 36. *f.* 42.
a. ——— ?

NYCTERIBIA Jenynsii ? *Westw. Zool. Soc. Trans.* i. 291, 9, *pl.* 36. *f.* 29—34.
a. China. Presented by G. T. Lay, Esq.

NYCTERIBIA Roylii ? *Westw. Zool. Soc. Trans.* i. 290, 5, *pl.* 36. *f.* 35, 36.
a. "On a large Indian Bat." From the Hardwicke bequest.

NYCTERIBIA dubia ? *Westw. Zool. Soc. Trans.* i. 289, 3.
a. Philippine Islands. From Mr. Wood's collection.
b. Var. (?) Philippine Islands. From Mr. Cuming's collection.

NYCTERIBIA biarticulata, *Westw. Zool. Soc. Trans.* i. 292, 11. *pl.* 36, *f.* 37—41. Phthiridium biarticulatum, *Herm. Mém. pl.* 6, *f.* 1. P. Hermanni, *Leach, Zool. Misc.* iii. *pl.* 14. Celeripes Vespertilionis, *Mont. Linn. Trans.* ix. 166. Nycteribia Vespertilionis, *Mont. Linn. Trans.* xi. *pl.* 3, *f.* 5.
a. ——— ?

NYCTERIBIA ——— ?
a. Jamaica. On Dysopus. From Mr. Gould's collection.

ERIBIA ——— ?
maica. On Noctilio mastivus. From Mr. Gould's collection

ERIBIA ——— ?
ıtal. From Dr. Krauss' collection.

ERIBIA Vespertilionis, *Fabr. Syst. Antl.* 350, 1. *Latr. Gen. Crust.* iv. 364, *pl.* 15, *f.* 11. *Meig. Dipt.* vi. 238, 1, *pl.* 64, *f.* 19. *Oken, Lehrbuch der Nat. pl.* 14. *Macq. Hist. Nat. Dipt.* ii. 647, 1, *pl.* 24, *f.* 166. Pediculus Vespertilionis, *Linn. Faun. Suec.* 1941. Acarus Vespertilionis, *Fabr. Sp. Ins.* ii. 487, 15. *Ent. Syst.* iv. 429, 22. *Gmel. Ed. Syst. Nat.* i. 5, 2927, 9. *Schrank, Faun. Boic.* iii. 2587.
——— ?

ERRATA AND ADDENDA.

Page 2.

Transfer Culex ciliatus and the references to Psorophora ciliata, of which it is a synomym, and omit "Georgia. From Mr. Abbot's collection."

Page 3.

Omit C. calopus (which name belongs to another species), and substitute CULEX guttatus, *Megerle*.

Page 6.

CULEX caspius, *Pallas*. C. pipiens, *Zetterstedt*. The Lapland Mosquito.

Page 36.

RHIPIDIA, *Meigen*.

RHIPIDIA maculata, *Meig. Dipt.* i. 153, 1, *pl.* 5, *f.* 9—11. *Hist. Nat. Dipt.* i. 93, 1, *pl.* 2, *f.* 1.
a. England.

Page 44.

For LIMNOBIA gracilis, *Haliday*, *read* LIMNOBIA gracilis, *White*.
For LIMNOBIA chorica, *Haliday*, *read* LIMNOBIA chorica, *White*.

Page 45.

For LIMNOBIA ægrotans, *Haliday*, *read* LIMNOBIA ægrotans, *White*.
For LIMNOBIA tessellata, *Haliday*, *read* LIMNOBIA tessellata, *White*.
Omit *Haliday* after LIMNOBIA fumipennis.

Page 57.

LIMNOBIA repanda, *Haliday*, *read* LIMNOBIA repanda, *White*.

Page 74.

MEGISTOCERA dispar, *read* MEGISTOCERA costalis. Tipula costalis, *Swed. Act. Holm.* 1787, 286, 45. M. dispar, *Walk. &c.*

Page 84.

For e., *read* Section V.

Page 103.

For f., *read* Section VI.

Page 110.

For g., *read* Section VII.

Page 113.

For h., *read* Section VIII.

Page 114.

For SCATOPSE veluto, *read* SCATOPSE veluta.

Page 123.

HYPUS punctatus.
France.
——— ? From Mr. Children's collection.

HYPUS fenestralis.
France.
——— ? From Mr. Children's collection.

Page 126.

DIPHYSA, *Macquart*.

DIPHYSA apicalis. Beris apicalis, *White*, mas. *Fulvus, capite nigro antice cano, thorace abdominisque apice purpureis, thorace vittis tribus aureis pubescentibus ornato, antennis nigris basi rufis, pedibus fulvis tarsis anticis piceis, alis limpidis fulvo cinereoque vittatis nigro fasciatis.*

Head black, hoary in front: eyes pitchy-black; facets of the fore feet rather larger than those elsewhere: palpi and sucker tawny; second joint of the palpi spindle-shaped, not broader than the first:

feelers black, filiform, dark red towards the base, nearly as long as the chest: chest and breast dark purple; chest adorned with golden down, which forms three stripes; scutcheon tawny, armed with four teeth: abdomen tawny, a little narrower than the chest and nearly twice its length, slightly decreasing in breadth from the base to the tip, which is purple: legs tawny; hind legs long, their thighs club-shaped; fore feet pitchy: wings colourless on the disk, tawny along the fore border, gray along the hind border and at the tip, adorned with a blackish band which does not reach the hind border; wing-ribs and veins tawny; veins pitchy on the blackish band; poisers pale yellow. Length of the body 3¼ lines; of the wings 7 lines.

b. New Zealand. Presented by Dr. Hooker.

DIPHYSA spiniger, *Macq. Dipt. Exot.* i. 172. Xylophagus spiniger, *Wied. Auss. Zweif.* ii. 618. Beris albimacula seems to be a variety of this species.

Page 134.

PANGONIA appendiculata seems to be PANGONIA gulosa, MS. *Wied. Auss. Zweif.* i. 99, 22.

Page 140.

PANGONIA lurida. This is perhaps a Tabanus.

Page 150.

TABANUS subvarius. This name must be omitted, for the species here described is a variety of PANGONIA fuscipennis, *Wied. Auss. Zweif.* i. 95, 16. *Macq. Hist. Nat. Dipt.* i. 1, 194. *Dipt. Exot.* ii. 102, 12.

Page 172.

For TABANUS inscitus, *read* TABANUS comes.

Page 190.

DICHELACERA longicornis, *Macq. Dipt. Exot.* i. 1, 114, 2, *pl.* 12, *f.* 2.

a. Brazil. From Mrs. Noel's collection.

b. Brazil.

Page 208.

For HADRUS cyanea. *Rufa, &c., read* HADRUS cyaneus. *Rufus, &c.*

Page 213.

AGIO mystacea.
New York. Presented by the Entomological Club.
Trenton Falls. Presented by E. Doubleday, Esq.

Page 214.

Chrysopita, *read* Chrysopila.

Page 220.

IERIX vidua, n. s., mas. et fem. *Nigro-cinerea, capite antico cano, antennis nigris basi ferrugineis, pedibus piceis, alis cinereis ad costam subfulvis.*

Body dull black, clothed with black hairs: head gray, with a ry tinge in front: eyes pitchy, convex; all the facets of the fe-le very small; those of the male rather larger on the fore part n elsewhere: sucker, palpi, and feelers black; first and second its of the feelers dark ferruginous: chest slightly gray, somewhat chy on each side near the base of the wings: legs pitchy, clothed h black hairs; claws black; foot-cushions dark tawny: wings y, with a slight tawny tinge along the fore border from the base the brand, which is brown; wing-ribs tawny; veins black, tawny the base; poisers pitchy. Length of the body $1\frac{3}{4}$ line; of the ngs 4 lines.

St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

r TYOLINA, *read* PTIOLINA, *Stæger.*

r TYOLINA tristis, *read* PTIOLINA obscura, *Zett. Dipt. Scand.* i. 227, 1. Leptis obscura, *Fall. Dipt. Anthr.* 14, 11. *Zett. Ins. Lapp.* 527, 7. Atherax obscura, *Meig. Dipt.* ii. 111, 11.
England. Presented by F. Walker, Esq.

TIOLINA nigra, *Zett. Dipt. Scand.* i. 227, 2. Leptis obscura, var. *Zett. Ins. Lapp.* 527, 7.
England. Presented by F. Walker, Esq.

Page 229.

'or MYDAS clavigera, *read* MYDAS claviger.

Page 242.

For ANTHRAX imbuta, *read* ANTHRAX Sphinx, var.? *Fabr. Ent. Syst.* iv. 261, 20. *Syst. Antl.* 126, 39. *Wied. Dipt. Exot.* i. 121, 4. *Auss. Zweif.* i. 258, 7.

Page 251.

For ANTHRAX vitriecosta, *read* ANTHRAX vitreicosta.

Page 286.

For L., *read* L.*

Page 293.

For BOMBYLIUS histrio, *read* BOMBYLIUS basilaris, var. *Wied. Zool. Mag.* iii. 46, 7, *b*. *Dipt. Exot.* i. 164, 7. *Auss. Zweif.* i. 335.

Page 296.

APATOMYZA, *Wiedemann.*

APATOMYZA nigra, *Macq. Hist. Nat. Dipt.* i. 390, 1. *Dipt. Exot.* i. 1, 111, 1, *pl.* 11, *f.* 1. Cyllenia Ægiale is a synonym of this species which will form a new genus.

Page 299.

SYSTROPUS, *Wiedemann.*

Group I.

SYSTROPUS macilentus, *Wied. Nova. Dipt. Gen.* 19, *f.* 7. *Auss. Zweif.* i. 360, 1. *Macq. Hist. Nat. Dipt.* i. 592, 1, *pl.* 11, *f.* 21.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group II.

SYSTROPUS niger, n. s., mas. *Niger, thoracis lateribus abdominisque basi cano micantibus, pedibus anterioribus nigro-piceis, ceteris nigro-piceis.*

Body, mouth, feelers, and legs black: eyes brassy-black: hinder part rather flat, its facets larger than those elsewhere: feelers black, filiform, as long as the head and the chest; second joint about one third of the length of the first; third joint flat, a little shorter and broader than the first: sides of the chest hoary: abdomen obclavate, near thrice the length of the chest; segments from the first to the

slender, covered with hoary lustre; first short; second, third, urth long, but successively decreasing in length; fifth, sixth, eventh deeper; eighth and ninth very short: fore and middle itchy-black; hind legs long and slender, their thighs rather their shanks and feet beset with a few short spines: wings rown, blackish along the borders of some of the cross-veins; ibs, veins, and poisers black. Length of the body 9 lines; of wings 12 lines.

azil. From Mr. Mornay's collection.

Page 302.

OGON sabaudus belongs to the group Stenopogon.

Page 338.

Irs. Mornay, *read* Mr. Mornay.

Page 366.

POGON ? Damias, n. s., mas. *Cinerea, pilis albis vestita, antennis pedibusque nigris, femoribus tibiisque anterioribus subtus fulvis, tibiis posticis subclavatis basi flavis, tarsis posticis latis, larum discis flavo-fuscis.*

Body gray, rather short and broad, thinly clothed with white black and shining where the gray is worn away: head broader the chest, silvery-white, clothed with white hairs, which are thick beneath: eyes piceous; facets very small, and all of the size: mouth black; feelers black; first and second joints beset with black bristles; third joint conical, pointed at the much longer than the first and second: chest and breast covered with white hairs, the former with a few black bristles ch side: abdomen having also some white hairs, cylindrical, wer than the chest, and rather more than twice its length: black, clothed with short black hairs and longer black bristles; s and shanks tawny beneath, the former having some white ; hind thighs black, tawny at the base; hind shanks slightly shaped, yellow for more than one-third of their length from the ; hind feet somewhat broad: wings colourless, their disks ly yellowish brown; wing-ribs and veins piceous, the latter towards their tips; poisers tawny. Length of the body 6 lines; e wings 10 lines.

ape. Presented by the Entomological Club.

Page 375.

For Mrs. Mornay, *read* Mr. Mornay.

Page 382.

LAPHRIA bilineata, *Barnston's MSS.*, fem. *Nigra, thorace cinereo bivittato, abdominis disco ferrugineo, antennis pedibusque nigris, tibiis piceis, alis cinereis.*

Body black, clothed with black hairs: head partly covered with hoary bloom, clothed in front and beneath with hoary hairs: eyes pitchy-black; fore part flat, its facets very much larger than those elsewhere: sucker black, pitchy and clothed with pale hairs at the tip: feelers black: chest adorned with two slender, parallel gray stripes: abdomen spindle-shaped, very much longer than the chest, each segment from the third to the fifth adorned with a large triangular ferruginous spot, which is clothed with bright tawny hairs: legs black, clothed with hoary hairs and black bristles; shanks pitchy; foot-cushions tawny; claws ferruginous towards the base: wings gray; wing-ribs, veins and poisers black. Length of the body 7 lines; of the wings 14 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay Presented by G. Barnston, Esq.

Page 402.

For Mrs. Mornay, *read* Mr. Mornay.

Page 489.

SPANIA nigra, *Meig. Dipt.* vi. 335, 1, *pl.* 66, *f.* 12—14. *Macq. Hist. Nat. Dipt.* i. 431, 1, *pl.* 10, *f.* 14, 15.
a. Alten. Presented by F. Walker, Esq.

Page 492.

For lœvipes, *read* lævipes.

Pages 503, 504.

For HELIODROMIA, *read* HELEODROMIA.

Page 505.

HEMERODROMIA melanocephala.
c. Alten. Presented by F. Walker, Esq.

Page 507.

YDROMIA, Group II. = CHERSODROMIA, *Haliday, MSS.*

Page 508.

YPALPUS minutus.
ammerfest. Presented by F. Walker, Esq.

Page 522.

ELLARIA Anchialus = Var.? CLITELLARIA chalybea, *Wied. Analecta, Ent.* 30, 36. *Aus. Zweif.* ii. 49, 4.

Page 529.

Stratiomys Badius; *for* New Holland, *read* New Hampshire, and unite the description of S. Badius with that of S. ischiaca.

Page 536.

ITOMYIA fulviceps, *White, Zool. Voy. Erebus and Terror.*
ew Zealand. From Mr. Earl's collection.

ITOMYIA chloris, *White, Zool. Voy. Erebus and Terror.*
ew Zealand. From Mr. Earl's collection.

Page 537.

CERIA, *Fabr.* under SYRPHICI.

Page 539.

MESOPHILA, n. g.

PHILA fuscipennis. Ceratophya fuscipennis, *Macq. Hist. Nat. Dipt.* i. 488, 3. Microdon Agapenor, *Walk.*

Page 551.

horacis fasciis, read *thoracis vittis.*

Page 580.

HUS ægrotus.
va.

Page 603.

For E. R. Coffin, Esq., *read* E. P. Coffin, Esq.

Page 624.

For 89, *read* 189.

Page 647.

PSILOPUS gemmatus, for *aureo-viridis*, read *aureo-viridi*.

Page 649.

Omit *abdomine purpureo*.

Page 672.

For CONOPS flavifrons, *read* CONOPS aurifrons.

Page 674.

For CONOPS Bulbimus, *read* CONOPS aurosa, *Newman*, *Entomology* 222.

Page 678.

For Zodion americana, *read* Zodion americanum.

Page 680.

For Fam. XIX. STOMOXYDÆ, *read* Fam. XXI. STOMOXYDÆ.

Page 681.

STOMOXYS irritans? fem. *Nigra, flavo-fusco tecta, thorace ad quatuor interruptis obscurioribus, abdomine vitta interna nigro-fusca, segmentis nigro-fusco bimaculatis, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, covered with yellowish brown bloom, clothed with black hairs and bristles: head yellow on each side of the face hoary in front and beneath; epistoma hardly prominent; side

ace beset with a very few bristles at the base: eyes red; all the s very small: sucker and palpi black: feelers black, nearly as as the face; third joint linear, truncated at the tip, full four the length of the second; bristle nearly twice the length of the joint, stout for full half the length, its first joint distinct, but er than its second: chest adorned with four interrupted darker es: abdomen elliptical, a little broader but not longer than the , adorned with an interrupted dark brown stripe on the back, with two dark brown spots on each segment: legs black, clothed black hairs and bristles; thighs tinged with gray; shanks y at the base; foot-cushions tawny: wings slightly gray; wing-pitchy; veins black, tawny at the base; tip cross-vein united the fourth longitudinal vein by a very shallow outward curve, ght from thence till near the tip, where it is very slightly in- d inward, joining the lower border at a short distance from the f the wing; lower cross-vein straight for some space from the , and then having two very indistinct curves, the lower inward, upper outward; scales white, with pale yellow borders; poisers tawny. Length of the body 3 lines; of the wings 7 lines.

rance?

MOXYS? Cybira, n. s., fem. *Flavo-fusca, tessellata, capite antico argenteo, thoracis vittis quatuor nigris, antennis pedibusque nigris, alis limpidis.*

Body black, clothed with black hairs and bristles, adorned with owish brown reflections: head covered in front with silvery- te lustre; epistoma slightly prominent; sides of the face beset bristles at the base; sucker black; palpi tawny: eyes red; fore flat, its facets larger than those elsewhere: feelers black, a little rter than the face; third joint flat above, very slightly convex eath, truncated at the tip; bristle very stout, much longer than third joint: chest adorned with four black stripes; breast gray- : abdomen elliptical, dark brown, a little broader but hardly lon- than the chest, adorned with yellowish brown reflections: legs ck, tinged with yellowish brown; shanks tawny at the base; foot- hions tawny: wings colourless; wing-ribs tawny; veins black, ny towards the base; tip cross-vein united with the fourth longi- inal vein by a very shallow outward curve, almost straight from nce till near the tip, where it has an extremely slight inward ve, joining the border a little below the tip of the wing; lower ss-vein with a very slight outward curve at each end, and with an ally slight but much longer inward curve in the middle part;

scales whitish, with pale tawny borders. Length of the body 3½ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

STOMOXYS Ænos, n. s. *Nigra, capite fusco, thoracis vittis fulvis, pectore cinereo, abdomine flavo-fusco, subtus fulvo bivittato, antennis piceis, pedibus nigris, alis limpidis.*

Body thinly clothed with black hairs and bristles: head dark brown, adorned in front with silvery lustre; epistoma slightly prominent; sides of the face beset with bristles at the base: eyes pitchy; fore part nearly flat, its facets rather larger than those elsewhere: sucker black, smooth, shining; palpi tawny: feelers pitchy, shorter than the face; third joint flat above, very slightly convex beneath, obliquely truncated at the tip, about twice the length of the second joint; bristle black, about twice the length of the third joint, thinly feathered, stout for more than half its length: chest black, adorned with indistinct tawny stripes, and on each side with a tawny patch: breast gray: abdomen black, tinged with yellowish brown; two tawny stripes on the under side: legs black, clothed with black hairs and bristles; knees and foot-cushions tawny: wings colourless: wing-ribs pitchy; veins black, tawny at the base; tip cross-vein united by a very slight curve to the fourth longitudinal vein, slightly curved inward from thence to the tip, joining the border a short distance below the tip of the wing; lower cross-vein nearly straight but with a slight inward inclination in the middle part of its course: scales yellowish white, with pale yellow borders. Length of the body 2 lines; of the wings 5 lines.

a. New Zealand. Presented by Dr. Sinclair.

STOMYXYS? Cytorus, n. s. *Cinereo-fulva, capite cano, abdomine fulvo, pedibus nigris, antennis tibiisque ferrugineis, alis subnereis ad costam subfuscis.*

Body black, clothed with black hairs and bristles: head ferruginous in front, adorned with a hoary covering which has a tawny tinge behind; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy, not hairy: sucker black, slender, much more than half the length of the body; palpi tawny, slender, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint black, ferruginous at the base, linear, slender, rounded at the tip, full thrice the length of the second joint: bristle feathered: chest adorned with a grayish tawny covering: abdomen

n obconical, not longer nor broader than the chest, adorned a tawny covering, somewhat tawny and having a hoary beneath: legs black, clothed with black hairs and bristles; ts dark ferruginous; foot-cushions tawny: wings slightly gray, a pale brown tinge along the fore borders; wing-ribs dark y; veins black, pitchy towards the base; tip cross-vein forming y obtuse angle with the fourth longitudinal vein, straight for than half the length, very slightly curved inward from thence e tip, joining the border a very little above the tip of the wing; cross-vein with a short inward curve near the base, almost ht from thence to the tip; scales grayish. Length of the body nes; of the wings 7 lines.

est Africa. Presented by Sir E. Belcher.

Page 797.

Group —— ?

INA fusiformis, n. s. *Nigra, capite aureo, scutelli margine postico abdomineque ferrugineis, huic vittâ, fasciis apiceque nigris, antennis nigris, articulo 2º ferrugineo, pedibus nigris, tibiis obscurè ferrugineis, alis cinereis basi fulvis ad costam fuscis.*

Body black, clothed with black hairs and bristles: head adorned ont with a golden covering, thickly clothed beneath with pale w hairs; facials, epistoma and sides of the peristoma ferrugi- ; epistoma slightly prominent; sides of the face fringed with les at the base: eyes dark red, not hairy: sucker pitchy, clothed tawny hairs: palpi ferruginous, beset with black bristles: feelers t; second joint ferruginous; third joint linear, rounded at the full four times the length of the second; bristle tapering from base to the tip, a little more than twice the length of the third , its first joint very short, second longer: chest slightly ferrugi- on each side of the base of the wing; hind border of the heon ferruginous: abdomen ferruginous, obconical, a little er but hardly broader than the chest, adorned with a broad black e; hind borders of the second and third segments and tip black: black, clothed with black hairs and bristles; shanks dark ferrus; foot-cushions yellow: wings gray, tawny at the base, brown g the fore borders till near the tips; wing-ribs dark tawny; s pitchy, dark tawny towards the base; tip cross-vein forming a ntly obtuse angle with the fourth longitudinal vein, a little curved ard along the whole length, joining the border at some distance

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LIST

OF THE

SPECIMENS

OF

DIPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART V.

SUPPLEMENT I.

PRINTED BY ORDER OF THE TRUSTEES.
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LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

E principal object of the present Catalogue has been to
, complete list of the specimens of Dipterous Insects
ned in the collection of the British Museum, indicating
e same time the peculiarities of each, as regards variations
aracter, locality, and the source from whence it has been
d. With this view, the different individuals of each
s contained in the collection are indicated by the letters
c, &c., following the name of the species and its syno-
s, and the description, if it appeared to have been before
scribed.

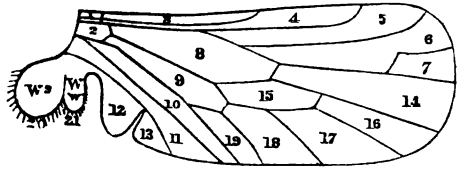
e Catalogue of Dipterous Insects has been prepared and
new species described by Mr. FRANCIS WALKER, F.L.S.,
ell known for his attention to this order of Insects.

his part contains a revision of the families *Stratiomidæ*,
phagidæ and *Tabanidæ*, with a description of the species
d since the former parts were printed.

JOHN EDWARD GRAY.

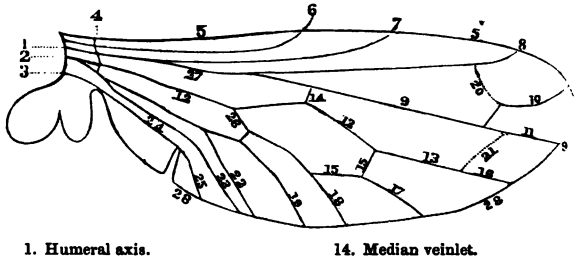
ish Museum,
September, 1854.

Fig. A.—Areolets.



1. Humeral.
2. Radical.
3. Subcostal.
4. Mediastinal.
5. Radial.
6. Cubital, 1st.
7. Cubital, 2nd.
8. Præbrachial.
9. Pobrachial.
10. Anal.
11. Axillary.
12. Axillary lobe.
13. Subaxillary lobe.
14. Subapical.
15. Discal.
16—19. Exetrno-medial.
20. Subscutellar winglet.
21. Subaxillary winglet.

Fig. B.—Veins.



1. Humeral axis.
2. Conjugate axis.
3. Axillary vein.
4. Humeral veinlet.
5. Costa.
6. Mediastinal vein.
7. Subcostal vein.
8. Radial vein.
9. Cubital vein.
10. First branch vein.
11. Second branch vein.
12. Præbrachial vein.
13. Ditto (continued).
14. Median veinlet.
15. Discal veinlet.
16—19. Externo-medial veins, including subapical.
20. Subradial veinlet.
21. Subapical veinlet.
22. Subanal vein.
23. Anal vein.
24. Axillary vein.
25. Subaxillary vein.
26. Pobrachial veinlet.
27. Præfurca.
28. Posterior margin.

[To face page

LIST OF DIPTERA.

SECOND SERIES.

PART I.

Class. DIPTERA.

Os suctorium, proboscide, setis inclusis, tarsisque. Tarsi pen-
ri. Alæ binæ; halteres bini pone alas.

Sub-class 1. PROBOSCIDEA.

Antennæ capitis fronte insertæ. Pedes approximati.

oscidea, *Latr.*

Order 1. BRACHYCERA.

Palpi porrecti, aut proboscide incumbentes, quasi exarticulati.
ennæ articulis post 3um connatis, vel extremis nimis attenuatis.
um areola analis ferme clausa; venæ posteriores ramosæ, vel
tomosi connexæ.

hocera (Hexachæta, Tetrachæta et Dichæta), *Macq. Hist. Nat.*
Dipt. i. 183. *Westw.*
chycera (Polychæta et Dichæta), *Zett. Dipt. Scand.* i. 1, 3.

Family 1. STRATIOMIDÆ.

Caput sat magnum. Antennæ 5—10 articulatæ. Alæ completæ; vena costalis prope alæ apicem terminata; vena cubitalis furcata; areola analis longa. Halteres manifesti.

Stratiomydes, *Latr. Gen. Crust.; Fall.; Meig.; Macq.; Zett.*
Tetrachæta, p., *Macq. Hist. Nat. Dipt.* i. 218.
Notacantha, p., *Latr.; Macq. Hist. Nat. Dipt.* i. 220; *Perty; Westw.*
Xylophagii, p., *Meig.; Latr.; Macq.*
Xylophagidæ, p., *Steph.*
Stratiomidæ et Beridæ, *Westw.*
Stratiomida, *Perty.*
Xylophagina, p., *Perty.*
Xylophagi, p., et Stratiomydæ, *Loew.*
Polychæta, p., *Zett.*
Xylophagii, p., et Stratiomydæ, *Zett.*
Stratiomenæ, *Rondani.*
Tribe, Tabanidii. Sub-tribe, Stratiomydæ, *Bigot.*

The accompanying plate sufficiently illustrates the wing-venation of this family, which is especially characterized by the principal wing-veins being crowded together towards the costa, the discoidal areolet also is much in front of the middle of the wing, and the externo-medial veins are secondary, or are more or less faintly indicated. This structure is most apparent in the first, fourth and fifth groups of the ensuing arrangement, the other genera are abnormal, and may be separated from this family. *Xenomyia* and *Exochostoma* are the most aberrant, on account of their simple cubital vein.

The transition of the structure of the antennæ of *Nemocera* to that of *Brachycera* begins with the *Stratiomidæ;* the joints after the second are no longer equal and equidistant, but are closely connected, and form one mass, and are generally considered as a single joint.

A. Antennarum articulus 3us simplex.
  A. Arista nulla aut brevis.
    A. Antennæ 10-articulatæ.
      a. Antennæ ramosæ. - - - - 1. Ptilocera
      b. Antennæ simplices.
        i. Scutellum bituberculatum. - - 2. Exochostoma
        ii. Scutellum 4—8 spinosum.
          1. Palpi clavati. - - - - 3. Diphya
          2. Palpi subobsoleti. - - - - 4. Beris
          3. Palpi longi. - - - - - 5. Acro

iii. Scutellum bispinosum. - - 6. Cyphomyia.
iv. Scutellum muticum.
1. Frons non concava. Thorax capitis latitudine. - - - - 7. Hermetia.
2. Frons concava. Thorax capite angustior. - - - - - 8. Thorasena.

Antennæ 6—9 articulatæ.

a. Scutellum spinosum.
i. Scutellum quadrispinosum.
1. Antennarum flagellum elongatum, dilatatum. - - - - 9. Phyllophora.
2. Antennarum flagellum breve, conicum. 10. Acanthina.
ii. Scutellum bispinosum.
1. Antennarum arista indistincta.
* Antennæ apice attenuatæ. - 11. Stratiomys.
** Antennæ apice capitatæ. - - 12. Alliocera.
2. Antennarum arista distincta, biarticulata. - - - - - - 13. Clitellaria.
iii. Scutellum unispinosum.
1. Abdomen transversum - - - 14. Platyna.

b. Scutellum muticum.
i. Abdomen orbiculatum. - - - 15. Cyclogaster.
ii. Abdomen elongatum.
1. Antennæ pubescentes, non stylatæ. 16. Xenomorpha.
2. Antennæ glabræ, arista brevi villosa vel pubescente.
* Antennarum articulus 1us brevis. 17. Eudmeta.
** Antennarum articulus 1us elongatus. - - - - - 18. Acrochæta.

Arista setiformis.

. Scutellum bispinosum.
a. Antennarum flagellum fusiforme.
i. Abdomen rotundatum. - - - 19. Oxycera.
ii. Abdomen elongatum.
1. Arista dorsalis. - - - - 20. Hoplistes.
2. Arista terminalis. - - - 21. Dicranophora.
b. Antennarum flagellum subulatum. - 22. Rhaphiocera.

B. Scutellum muticum.
a. Epistoma porrectum.
i. Antennarum articulus ultimus longus, setiformis. - - - - 23. Nemotelus.
ii. Antennarum articulus ultimus longus, linearis. - - - - - 24. Biastes.
iii. Antennarum articulus ultimus brevissimus. - - - - - 25. Metabasis.

b. Epistoma declive.
i. Scutellum bituberculatum. 26. Basentidema.
ii. Scutellum non tuberculatum.
1. Antennarum flagellum elongatum vel conicum.
* Antennarum arista gracilis, nuda. 27. Chrysochlora.
** Antennarum arista crassa, basi pubescens. - - - - 28. Cacosis.
2. Antennarum flagellum rotundatum vel ellipticum.
* Antennæ 6-articulatæ - - - 29. Sargus.
** Antennæ 7-articulatæ. - - 30. Chrysomyia.
*** Antennæ 8-articulatæ.- - 31. Pachygaster.
B. Antennarum articulus 3us furcatus. - - 32. Ch[illegible]

The genera of this family present a great diversity of struct[illegible] and will form several groups or sub-families which are here in[illegible]cated :—

Group 1.

Genera Ptilocera, Cyphomyia, Phyllophora, Acanthina, Pla[illegible] Clitellaria, Cyclogaster, Oxycera.

Group 2.

Beris, Actina, Diphysa, Exochostoma.

Group 3.

Hermetia, Thorasena, Eudmeta.

Group 4.

Stratiomys, Alliocera.

Group 5.

Basentidema? Nemotelus, Biastes, Metabasis.

Group 6.

Chrysochlora, Cacosis, Acrochæta, Sargus, Chrysomyia, Pach[illegible]gaster, Hoplistes, Dicranophora, Rhaphiocera.

Group 7.

Chauna.

Group? 8.

Xenomorpha.

Genus 1. PTILOCERA.

Antennæ 10-articulatæ, ramosæ, non stylatæ; articulus 3us ex. Scutellum quadrispinosum. Abdomen crassum, subactum.

Mediastinal vein ending at beyond half the length of the wing. ostal and radial ending at about two-thirds of the length. branch of the cubital ending at a little beyond half the dis- between the radial and the second branch which ends as far ont of the tip of the wing. Three complete externo-medial . Subanal vein joining the anal at some distance from the r. Median veinlet distinct, but very short. Discal areolet gonal.

cera, *Wied. Nov. Dipt. Gen.* 7; *Auss. Zweifl.* ii. 58; *Macq.* iomys, p., *Fabr.*

1. Ptilocera smaragdina.

cera smaragdina, *Cat. of Diptera*, Pt. 3, 525.

ppine Islands.

2. Ptilocera continua.

cera continua, *Diptera Saundersiana*, 2, 84.

3. Ptilocera quadridentata.

igra; thorax antice utrinque viridi-aureus; scutellum quadrispinosum; abdomen chalybeum, albo maculatum; alæ fuscæ, in mare fascia dilutiore.

tiomys quadridentata, *Fabr. Syst. Antl.* 86, 33.
ocera quadridentata, *Wied. Nov. Dipt. Gen.* 7.

atra. Java.

4. Ptilocera lateralis.

Nigra; antennæ basi testaceæ; thorax albo bivittatus; abdomen latera testacea; alæ ad costam et apud venas nigricantes.

Ptilocera lateralis, *Macq. Dipt. Exot. Suppl.* i. 48, 1.
Hab. ——— ?

Genus 2. EXOCHOSTOMA.

Caput fere sphæricum. Palpi filiformes, triarticulati. Labrum breve, excavatum. Ocelli in triangulum dispositi. Oculi convexi, rotundati, nudi. Antennæ 10-articulatæ, flagello subuliformi; articulus 1us elongatus; 2us cyathiformis; 3us, 4us, 5us, et 6us breves, cylindrici; 7us longior, apice attenuatus; 8us, 9us, et 10us breves, graciles. Scutellum tuberculis duobus approximatis. Abdomen segmentis sex. Pedes graciles, fere nudi.

Exochostoma, *Macq. Ann. Soc. Ent. Fr.* xi. 42.

Cubital vein simple, ending on the fore border, far before the tip of the wing. Four incomplete externo-medial veins. Subanal vein joining the anal at some distance from the border. Medial veinlet distinct.

1. Exochostoma nitida.

Nigra, nitida; tibiæ flavæ; alæ nigricantes.

Exochostoma nitida, *Macq. Ann. Soc. Ent. Fr.* xi. 43, pl. 4, Pt. 1, f. 1—6.

Provence.

Genus 3. DIPHYSA.

Palpi brevissimi. Antennæ 10-articulatæ, capite longiores; flagellum sublineare, non stylatum. Scutellum quadrispinosum.

Xylophagus, p., *Wied.*
Diphysa, *Macq. Dipt. Exot.* i. 1, 172.
Beris, p., *Loew.*

Mediastinal vein ending at far beyond half the length of the
Subcostal and radial ending at about three-fourths of the
h. First branch of the cubital short, slightly curved, ending
ıch before half the distance between the radial and the tip of
econd branch which is some little distance in front of the tip of
ing. First, second and fourth externo-medial veins complete;
incomplete. Subanal vein very robust, joining the anal at
distance from the border. Median veinlet distinct, short.
ıl areolet heptagonal.

1. Diphysa spiniger.

phagus spiniger, *Wied. Cat. Dipt. Brit. Mus.*
ı Servillei, *Macq. Dipt. Exot.* i. 1, 172, 1, pl. 21, f. 1; *Suppl.* i. 47, 1.

. Auckland, New Zealand. Presented by Col. Bolton.

2. Diphysa apicalis.

ıysa apicalis, *Cat. Dipt. Brit. Mus.*

. Auckland, New Zealand. Presented by Col. Bolton.

3. Diphysa? rufipalpis.

igra; antennæ articulo 3o basi fulvo; scutellum quadrispinosum; pedes nigro-picei, tarsis posticis femoribusque basi alboflavis, tarsis anticis fulvescentibus; alæ maculis duabus fuscis.

ophagus rufipalpis, *Wied. Auss. Zweifl.* ii. 619, 10.
hysa rufipalpis, *Macq. Dipt. Exot.* i. 1, 172.
ıs rufipalpis, *Loew, Ent. Zeit. Stett.* vi. 306, 13.
rico.

4. Diphysa? sexspinosa.

ærulea; thorax flavo bivittatus, scutello sexspinoso; alæ fuscanæ, stigmate flavido.

hysa? sexspinosa, *Macq. Dipt. Exot. Suppl.* i. 46, 1, pl. 5, f. 1.
ızil.

Genus 4. BERIS.

Palpi fere obsoleti. Antennæ subfusiformes, non stylatæ; flagellum subconicum. Scutellum plerumque spinis 4—8 armatum.

Beris, *Latr. Gen. Crust.; Meig.; Wied.; Macq.; Curt.; Zett.*
Musca, p., *Linn.; Forster; Fabr.; Schr.*
Stratiomys, p., *Fabr.; Forster; Gmel.; Geoffr.; Panz.; Fall.*
Actina, p., *Meig.; Klass.*

Mediastinal vein ending at beyond half the length of the wing. Subcostal ending at a little beyond the mediastinal. Radial ending at three-fourths of the length. First branch of the cubital straight, or nearly so, ending at before half the distance between the radial and the tip of the second branch, which is very little in front of the tip of the wing. Præbrachial ending at a little behind the tip by means of the first externo-medial, second and fourth externo-medial complete, subanal united to the anal at some distance from the border, and thus closing the anal areolet. Discal veinlets forming two sides of the pentagonal or hexagonal discal areolet. Median veinlet distinct. Humeral, subcostal, mediastinal, radial, first cubital, second cubital, præbrachial, pobrachial, anal, axillary, subapical, discal, and three externo-medial areolets complete. Axillary lobe and subaxillary lobe incomplete. Subapical areolet occupying the tip of the wing.

Europe.

1. Beris clavipes.

Nigra; abdomen luteum; pedes flavi, tarsis fuscis; alæ subpunctatæ.

Musca clavipes, *Linn.*
Beris clavipes, *Loew*, *Isis*, 1840, 518.

a—f. England. From Mr. Stephens' collection.
g. Chepstow. Presented by F. Walker, Esq.
h. Interlacken, Switzerland. Presented by F. Walker, Esq.

2. Beris vallata.

Nigra; abdomen luteum; pedes flavi, tibiis apice tarsisque flavis. alæ maris *fuscescentes*, fœminæ *hyalinæ*. B. M.

:a vallata, *Forster.*
vallata, *Loew, Isis*, 1840, 518.

England. From Mr. Stephens' collection.
ıepstow. Presented by F. Walker, Esq.

3. Beris chalybeata.

neo-viridis; abdomen nigrum; pedes fulvi, femoribus fuscis; alæ fuscæ.

:a chalybeata, *Forster.*

England.' From Mr. Stephens' collection.

4. Beris fuscipes.

igra; scutellum æneum; pedes fusci, tibiis tarsisque nonnunquam flavis; alæ fuscescentes.

s fuscipes, *Meig.*

nany.

England. From Mr. Stephens' collection.

5. Beris Morrisii.

yaneo-viridis; frons fœminæ *angusta; scutellum spinis nigris; abdomen nigro-cupreum; pedes flavi, tarsorum articulis 2o ad 5um fuscis.*

s Morrisii, *Dale, Entomologist*, 175.
s pallipes, *Loew, Ent. Zeit. Stett.* vi. 284, 5.
land.

6. Beris dubia.

[as. *Ænea; caput, scutelli radii sex abdomenque glabrum, nigra; pedes fusci, geniculis tarsisque basi flavis; alæ fusco-hyalinæ; halteres pallidi.*

is dubia, *Zett. Ins. Lapp.* 512, 1; *Dipt. Scand.* i. 132, 1. *Loew, Ent. Zeit. Stett.* vi. 286, 6.

:den. Lapland.

7. Beris geniculata.

Cyaneo-viridis; caput nigro-viride; antennarum articulus 3us ferrugineus; scutellum spinis viridibus; abdomen nigrum; pedes nigri, genubus fulvis; alæ maris *nigricantes*, fœminæ *cineræ.*

Beris geniculata, *Haliday; Curt. Brit. Ent.* 337.

a. England. From Mr. Stephens' collection.

North America.

8. Beris quadridentata.

Beris quadridentata, *Cat. of Diptera*, Pt. 1, 127.

9. Beris lata.

Beris lata, *Cat. of Diptera*, Pt. 1, 127.

10. Beris brevis.

Beris brevis, *Cat. of Diptera*, Pt. 1, 127.

11. Beris viridis.

Viridi-ænea; antennæ flavæ, apice nigro-fuscæ; scutellum spinis quatuor flavis; abdomen nigro-fuscum, flavo marginatum; pedes flavi, tarsis basi et tibiis posticis apice fuscis; alæ hyalinæ, basi flavescentes.

Beris viridis, *Say, Long's Exped. to St. Peter's River, Append.* 381, 1. *Wied. Auss. Zweifl.* i. 83, 2. *Loew, Ent. Zeit. Stett.* vi. 306, 10.

Pennsylvania.

12. Beris dorsalis.

Nigra; antennæ basi flavescentes; abdomen basi medio flavidum; pedes flavidi, tibiis anticis et posticis supra nigro-fusci; alæ apud costam fuscæ.

Sargus dorsalis, *Say, Long's Exped. Append.* 377, 4.
Beris dorsalis, *Weid. Auss. Zweifl.* i. 540, 3. *Loew, Ent. Zeit. Stett.* vi. 306, 11.

Pennsylvania.

South America.

Thorax metallicus.
ı. Tibiæ flavæ - - - - - - - B. tricolor, *Wied.*
). Tibiæ nigræ. - - - - - - B. albitarsis, *Macq.*
Thorax niger. - - - - - - B. Guerinii, *Macq.*

13. Beris tricolor.

Viridi-ænea; antennæ fulvæ, basi apiceque nigræ; scutellum quadrispinosum; abdomen fuscum; pedes flavi, tibiæ posticæ apice fuscæ, tarsi antici fusci, basi albidi; alæ infumatæ.

ris tricolor, *Wied. Auss. Zweifl.* i. 83, 1, 575. *Loew, Zeit. Stett.* vi. 305, 9.

azil.

South America. From Mr. Saunders' collection.

14. Beris albitarsis.

Mas. *Violacea; scutellum quadrispinosum; abdomen fulvum, apice fuscum; pedes nigri, femoribus fulvis, tarsis basi albis; alæ fuscæ.*

ris albitarsis, *Macq. Dipt. Exot. Suppl.* i. 47, 3.

nezuela, Colombia.

15. Beris Guerinii.

Nigra; scutellum octospinosum; alæ fuscæ, basi luteæ; halteres flavi.

ris Guerinii, *Macq. Dipt. Exot. Suppl.* i. 48, 4. pl. 5, f. 4.

uth America.

Asia.

16. Beris javana.

Mas. *Nigro-fusca, cyanescens; scutellum spinis quatuor fulvis armatum; pedes fulvi, tarsis posticis gracilibus; alæ costa subfuscæ.*

eris javana, *Macq. Dipt. Exot.* i. 2, 188.

Australia, New Zealand.

A. Abdomen metallicum.
  A. Antennæ fuscæ, basi testaceæ. - - quinquecella, *Macq.*
  B. Antennæ nigræ. - - - - - - substituta, *Wal.*
B. Abdomen fulvum. - - - - - - incisuralis, *Macq.*

17. Beris quinquecella.

Mas. *Violacea; scutellum quadrispinosum; antennæ fuscæ, basi testaceæ; pedes fulvi; alæ areolis quinque posticis.*

Beris quinquecella, *Macq. Dipt. Exot. Suppl.* i. 47, 2, pl. 5, f. 2.

Tasmania.

18. Beris substituta.

Fœm. *Viridis aut æneo-viridis; antennæ nigræ; palpi testaceis; scutellum spinis quatuor fulvis; abdomen purpureo-cupreum; pedes fulvi, femoribus tibiisque fusco fasciatis; alæ subcinereæ, stigmate venisque nigris.*

Dull green or æneous green. Antennæ black. Palpi testaceous. Scutellum with four tawny spines. Abdomen purpureo-cupreous. Legs tawny; femora and tibiæ with brown bands. Wings grayish; stigma and veins black. Length of the body 3 lines; of the wings 3¾ lines.

This species has three externo-medial veins, and the first branch of the cubital vein is very short, proceeds almost directly to the border, and thus forms an unusually large angle with the second branch. In this character it differs more than *Actina* from most of the species of *Beris*.

a—d. Auckland, New Zealand. Presented by Col. Bolton.

19. Beris incisuralis.

Fœm. *Viridi-ænea; antennæ nigræ, basi testaceo variæ; scutellum sexspinosum; abdomen fulvum, apice incisurisque nigris; pedes fulvi, femoribus apice tibiisque posticis nigris, tarsis fuscis; alæ subfuscescentes.*

Beris incisuralis, *Macq. Dipt. Exot. Suppl.* ii. 28, 5.

New Holland.

Genus 5. ACTINA.

omys, p., *Forster.*
a, p., *Meig. Klass. Zweifl.*
phagus, p., *Latr.*
, p., *Meig.; Macq.; Loew.*
a, *Curt. Brit. Ent.* 337.

Palpi longi. Antennæ subfusiformes, non stylatæ; flagellum nicum. Scutellum spinis armatum.

Mediastinal vein ending at beyond half the length of the wing. ostal ending at a little beyond the mediastinal. Radial ending o-thirds of the length. First branch of the cubital straight or tly curved, and variable also in its length and in the angle h it forms with the second branch, which ends at a little in front e tip of the wing. Præbrachial or first externo-medial ending at le behind the tip. Second and fourth externo-medial complete, abbreviated, or rudimentary. Subanal united to the anal at distance from the border. Discal veinlets forming two sides of exagonal discal areolet. Median veinlet distinct. Humeral, ostal, mediastinal, radial, first cubital, second cubital, præbra-, anal, axillary, subapical, discal, and three externo-medial ets complete, as are also the axillary and the subaxillary lobes. pical areolet occupying the tip of the wing.

1. Actina tibialis.

Cyaneo-viridis; scutellum flavo spinosum; abdomen nigrum; pedes flavi, tibiis posticis fuscis; alæ subfuscescentes, ad costam obscuriores.

s tibialis, *Meig.*

. England. From Mr. Stephens' collection.
hepstow. Presented by F. Walker, Esq.

2. Actina opposita.

Ias. *Cyaneo-viridis, albo-tomentosa; palpi flavi; antennæ fulvæ, apice nigræ; scutellum spinis testaceis; abdomen testaceum, segmentorum marginibus posticis maculisque lateralibus trigonis apiceque nigris; pedes testacei, femoribus posticis apice fuscis, tibiis posticis fulvo cinctis; alæ limpidæ.*

Antennæ tawny, black towards the tips. Palpi pale yellow. Thorax bright bluish green, with whitish down; scutellum with testaceous spines. Abdomen testaceous; segments black along the hind borders and with a triangular black spot on each side; tip black. Legs testaceous; tips of the hind femora brown; hind tibiæ brown with a tawny middle band. Wings limpid; stigma testaceous. Length of the body 3 lines; of the wings 6 lines.

This species much resembles *A. tibialis*, but is larger, and sufficiently distinct in other characters, and especially in the branch of the cubital vein which is longer, and more oblique and curved, and resembles that of most species of *Beris*.

a Auckland, New Zealand. Presented by Col. Bolton.

3. Actina similis.

Chalybea; abdomen nigro-cæruleum; pedes nigri, femoribus fere basi plus minusve flavis; alæ fuscæ, ad costam nigro-fuscæ.

Stratiomys similis, *Forster*.

This species has the third externo-medial rudimentary, and thus has most resemblance to the species of *Beris* in which it is wholly wanting. It is mentioned as British erroneously in the list 'Catalogue of Diptera.'

France. Germany. Sicily.

a. Interlacken, Switzerland. Presented by F. Walker, Esq.

Genus 6. CYPHOMYIA.

Antennæ 10-articulatæ, simplices, non stylatæ; articulus 3 simplex. Scutellum sæpissime bispinosum.

Cyphomyia, *Wied. Zool. Mag.* iii.; *Auss. Zweifl.* ii. 54; *Le Macq.*
Stratiomys, p., *Fabr.*; *Coqueb.*

Mediastinal vein ending at beyond half the length of the wing. Subcostal ending at very little beyond the mediastinal. Radial ending before two-thirds of the length. First branch of the cubital straight, short, ending at about half the distance between the radial and the second branch which ends at some distance in front of the tip of the wing. Four complete nearly straight externo-medial veins. Subanal vein united to the anal at some distance from its

r. Discal veinlets forming two sides of the oblong hexagonal areolet. Median veinlet distinct. Humeral, subcostal, medi-l, radial, first cubital, second cubital, præbrachial, pobrachial, axillary, subapical, discal, and four externo-medial areolets lete, as are also the axillary and the subaxillary lobes. Sub-ı areolet occupying the tip of the wing.

Mexico.

1. Cyphomyia elegans.

ra; frons aurantiaca; thorax vittis duabus et abdomen limbo viridibus; scutellum et pedes flava; alæ subflavescentes.

omyia elegans, *Wied. Auss. Zweifl.* ii. 58, 8.

South America.

horax niger.
Abdomen metallicum.
A. Alæ nigro-fuscæ.
a. Caput album. - - - leucocephala, *Hoffm.*
b. Caput nigrum. - - - - - Coprates, *Walk*
B. Alæ fuscescentes. - - - - albitarsis, *Fabr.*
C. Alæ fuscæ, basi maculaque hyalinis. - fenestrata, *Macq.*
D. Alæ cinereæ. - - - - inermis, *Wied.*
E. Alæ hyalinæ. - - - - - fascipes, *Walk.*
A. Scutellum inerme.
B. Scutellum armatum.
a. Caput ferrugineum. - - - maculata, *Fabr.*
b. Caput nigrum. - - - - claripennis, *Macq.*
. Abdomen fulvum. - - - - costalis, *Walk.*
Thorax metallicolor.
. Thorax vitta aurato.
A. Alæ nigræ. - - - - - auriflamma, *Hoffm.*
B. Alæ fuscæ. - - - - - chrysodota, *Perty.*
. Thorax non aureo vittatus.
A. Alæ cinereæ.
a. Antennæ nigræ. - - - - aurifrons, *Wied.*
b. Antennæ fulvæ. - - - - - ornata, *Walk.*
B. Alæ fuscæ. - - - - - - cyanea, *Fabr.*

2. Cyphomyia leucocephala.

Nigra; caput flavido-album; thorax vittis tribus fasciaque postica albis; abdomen chalybeum, albo maculatum; tarsi antici basi flavido-albi; alæ nigro-fuscæ.

Cyphomyia leucocephala, *Hoffm. Wied. Zoolog. Mag.* iii. 55, 2. *Auss. Zweifl.* ii. 55, 2. *Macq. Dipt. Exot.* i. 1, 175, 1.
Clitellaria albicaput, *Walk. Cat. Dipt. B. M.* 3, 521.

3. Cyphomyia Coprates.

Clitellaria Coprates, *Walk. Cat. Dipt. B. M.* 3, 523.

4. Cyphomyia albitarsis.

Anthracina; caput flavum; antennæ nigræ; thorax albo trivittatus; abdomen chalybeum maculis albis; tarsi basi albi; alæ fuscescentes.

Stratiomys albitarsis, *Fabr. Syst. Antl.* 80, 12.
Cyphomia albitarsis, *Wied. Auss. Zweifl.* ii. 56, 5, pl. 8, f. 2. *Macq. Dipt. Exot.* i. 1, 175, 2.

Brazil.

a, *b*. Parà. From Mr. Bates' collection.

5. Cyphomyia fenestrata.

Nigra; antennæ basi testaceæ; thorax vittis quinque metatoraque albis; abdomen cæruleum, maculis lateralibus argenteis; alæ fuscæ, basi maculaque hyalinis.

Cyphomyia fenestrata, *Macq. Dipt. Exot. Suppl.* 1, 48, 3.
Merida, Yucatan.

6. Cyphomyia inermis.

Nigra; thorax albido quinquevittatus, scutello inermi; alæ cinereæ

omyia inermis, *Wied. Auss. Zweifl.* ii. 55, 3. *Macq. Hist. Nat. Dipt.* i. 242, 3.

l.

7. Cyphomyia fascipes.

ıs. *Nigra; caput et thorax subtus albo-pubescentia; antennæ ferrugineæ, apice nigræ; thorax testaceo quadrivittatus; scutellum spinis duabus longis albidis; abdomen nigro-cyaneum, fere rotundum, thorace latius et brevius, maculis transversis lateralibus albo-tomentosis; femora et tarsi alba, apice nigra; alæ subcinereæ, venis nigris, stigmate fusco; halteres albidi.*

Male. Black. Head and thorax clothed beneath with white . Antennæ ferruginous, black towards the tips. Thorax with stripes of shining testaceous down, the outer pair interrupted. ellum with two long whitish spines. Abdomen dark blue, nearly l, broader and shorter than the thorax, with transverse spots of down along each side. Femora and tarsi white, black towards ips. Wings slightly gray; veins black; stigma brown. Halwhitish. Length of the body 3 lines; of the wings 6 lines.

ıntarem, Brazil. From Mr. Bates' collection.

8. Cyphomyia maculata.

igra; *caput ferrugineum; thorax et abdomen cinereo maculata; scutellum spinis duabus flavis; tarsi albi; alæ limpidæ.*

iomys maculata, *Fabr. Syst. Antl.* 85, 30.
ıomyia maculata, *Wied. Auss. Zweifl.* ii. 57, 6.

h America.

9. Cyphomyia claripennis.

as. *Nigra, albo-pubescens; scutellum spinis flavidis; tarsi albidi; alæ hyalinæ.*

homyia claripennis, *Macq. Dipt. Exot. Suppl.* 2, 29, 4.

zil.

10. Cyphomyia costalis.

Fœm. *Nigra; abdomen fulvum; pedes rufi; alæ flavo-hyalinæ.*

Cyphomyia costalis, *Walk. Linn. Trans.* xvii. 341, 28.

Caput aureo-pilosum, antice flavo varium; oculi nigro-fusci, flavo cingulati; antennæ articulo 1o flavo apice nigro; thorax aureo-pubescens, utrinque ad alæ basim viride; abdomen fulvum, segmentis ventralibus nigris fulvo marginatis; pedes pallide rufi, argenteo-pubescentes, coxis femoribusque fuscis, his apice rufis; alæ flavo-hyalinæ, iridescentes, venis flavis apices versus fuscis; halteres rufi, apice virides.

St. Paul, Brazil.

11. Cyphomyia auriflamma.

Violacea; antennæ nigræ; thorax vitta postice abbreviata aurea; tarsi basi flavi; alæ nigræ.

Cyphomyia auriflamma, *Hoffm. Guér. Icon. Règne Anim.* Ins. pl. 98, f. 5.

a. Monte Video. From Mr. Saunders' collection.

12. Cyphomyia chrysodota.

Cyanea; facie cum vibrissis niveo-pilosa; antennæ nigræ; thorax vitta postice abbreviata aurea; scutellum spinis nigricantibus; abdomen segmento 1o et 2o nigris, hoc ad latera cyaneo; pedes fusco-cyanei, tarsis fuscis basi testaceis; alæ infuscatæ, ad marginem anticum obscuriores; halteres testacei.

Cyphomyia chrysodota, *Perty, Del. Anim. Artic. Bras.* 184, pl. 3, f. 5.

Brazil.

13. Cyphomyia aurifrons.

Violacea; frons aurata; antennæ nigræ; thoracis latera et scutellum apice niveo-hirta; tarsi basi flavi; alæ cineræ.

Cyphomyia aurifrons, *Wied. Auss. Zwiefl.* ii. 56, 4.

Brazil.

14. Cyphomyia ornata.

Purpureo-cyanea; caput flavum; antennæ fulvæ; pedes picei; alæ cinereæ, ad costam fuscæ.

yphomyia ornata, *Walk. Zool.* viii. *Append.* xcvi.

Parà. From Mr. Bates' collection.

15. Cyphomyia cyanea.

Chalybea; antennæ nigræ; scutellum bispinosum; alæ fuscæ.

tratiomys cyanea, *Fabr.*

ayenne. Colombia.

Genus 7. HERMETIA.

Antennæ 10-articulatæ, simplices, non stylatæ; articulus 3us mplex. Frons non concava. Thorax capitis latitudine. Scutelum muticum.

fusca, p., *Linn.*
Nemotelus, p., *Deg.*
Bibio, p., *Fabr.*
Syrphus, p., *Fabr.*
Mydas, p., *Fabr.*
Xylophagus, p., *Lam.*
Hermetia, *Latr. Dict. d'Hist.* xxiv. 192; *Fabr.*; *Wied.*; *Macq.*

Mediastinal vein ending at about one-third of the length of the wing. Subcostal ending at before half the length. Radial ending at rather beyond half the length. First branch of the cubital ending at beyond half the length between the radial and the second branch which ends at some distance in front of the tip of the wing. Four slightly curved nearly complete externo-medial veins. Subanal united to the anal at some little distance from the border. Discal veinlets forming two sides of the oblong hexagonal discal areolet; median veinlet distinct. Humeral, subcostal, mediastinal, radial, first cubital, second cubital, præbrachial, pobrachial, anal, axillary, subapical, and discal areolets complete, as are also the axillary and the subaxillary lobes. Subapical areolet occupying the tip of the wing; four externo-medial areolets nearly complete.

Mexico.

1. Hermetia coarctata.

Fœm. *Nigra; thorax vittis duabus albidis; abdomine* coarctatum, *lasi flavido-diaphanum vitta nigra; femora tibiæque* antica *fulva; tarsi antici flavi; alæ flavidæ, apice subfuscæ.*

Hermetia coarctata, *Macq. Dipt. Exot. Suppl.* i. 50, 2, pl. 5, f. 4.

South America.

A. Thorax niger.
  A. Alæ basi obscuræ.
    A. Tibiæ nigræ.
      a. Abdomen nigrum.
        i. Tarsi albi. - - - - - illucens, *Linn.*
        ii. Tarsi fulvi. - - - - rufitarsis, *Macq.*
      b. Abdomen rufum. - - - rufiventris, *Fab.*
    B. Tibiæ flavæ. - - - - - flavipes, *Wied.*
  B. Alæ basi hyalinæ.
    A. Abdomen nigrum. - - - - - apicalis, *Wied.*
    B. Abdomen fuscum. - - - - albitarsis, *Fab.*
      c. Alæ basi flavæ. - - - - - pulchra, *Wied.*
B. Thorax cæruleus. - - - - - planifrons, *Macq.*
C. Thorax fulvus. - - - - - - fulva, *Wied.*

2. Hermetia illucens.

Nigra; thorax albido trivittatus; abdominis segmentum 3*us maculis duabus pellucidis, segmentorum margines postici* albi *micantes; tibiæ basi tarsique alba; alæ nigro-fuscæ.*

Musca illucens, *Linn. Macq. Dipt. Exot.* i. 1, 177, 1, pl. 21, f. 2.

South America. West Indies.

a. Parà. From Mr. Bates' collection.
b. Ega. From Mr. Bates' collection.
c. ———? From Mr. Stevens' collection.

3. Hermetia rufitarsis.

Fœm. *Nigra; antennæ abbreviatæ; oculi subhirti; abdomen latum; tibiæ posticæ basi albæ; tarsi fulvi; alæ fuscanæ.*

ermetia rufitarsis, *Macq. Dipt. Exot. Suppl.* i. 49, 1.

olombia.

4. Hermetia rufiventris.

Nigra; scutellum apice rufum; abdomen rubidum, maculis duabus basi pellucidis; tibiæ tarsique basi albida; alæ fuscæ.

ermetia rufiventris, *Fabr. Syst. Antl.* 63, 2. *Wied. Auss. Zweifl.* ii. 23, 2.

uth America.

5. Hermetia flavipes.

Æneo-nigra; scutellum apice rufescens; abdominis segmentum 2um albo-pellucidum; tibiæ tarsique flavida; alæ subfusco-cinereæ, costa nigro-fusca.

ermetia flavipes, *Wied. Auss. Zweifl.* ii. 26, 6.

Parà. From Mr. Bates' collection.

6. Hermetia apicalis.

Nigra, thorax albido quinquevittatus; abdominis segmentum 2um macula transversa pellucente; tarsi albi; alæ fuscæ, basi limpidæ.

ermetia apicalis, *Wied. Auss. Zweifl.* ii. 25, 5.

Parà. From Mr. Bates' collection.

7. Hermetia albitarsis.

Nigra; frons argentea; thorax albido quinquevittatus; abdomen fuscum, segmento 2o tarsisque albis; alæ fuscæ, basi limpidæ.

ermetia albitarsis, *Fabr. Syst. Antl.* 63, 4. *Wied. Auss. Zweifl* ii. 24, 4, pl. 7, f. 4. *Macq. Dipt. Exot. Suppl.* i. 49.

olombia.

Var.? *Nigra; facies alba; abdominis segmentum 2um maculis duabus magnis albis; tarsi albi; alæ nigræ.*

Hermetia bimaculata, *Macq. Hist. Nat. Dipt.* i. 228, 2.

Brazil.

Var.? H. bimaculatæ *similis; alæ pallidiores; abdominis segmenta 3um et 4um maculis duabus minoribus albis; tibiæ posticæ basi albæ.*

Hermetia sexmaculata, *Macq. Hist. Nat. Dipt.* i, 229, 4.

Porto Rico.

8. Hermetia pulchra.

Nigra; thorax fulvo-hirtus; scutellum ferrugineum; abdomen basi fulvo-hirtum maculis duabus flavescentibus pellucidis; tibiæ tarsique intermedia pallida; alæ basi flavæ, apice interrupte fusca.

Hermetia pulchra, *Wied.*

Surinam. Brazil.

a. Brazil. From Mr. Bates' collection.

9. Hermetia planifrons.

Mas. *Cærulea; frons plana; thorax vittis tribus albis; abdomen fuscum, segmento 2o albo-micante; pedes nigri, tarsis albis; alæ fuscanæ, basi hyalinæ.*

Hermetia planifrons, *Macq. Dipt. Exot. Suppl.* i. 50, 3.

Merida, Yutacan.

10. Hermetia fulva.

Fœm. *Fulva; antennæ ferrugineæ, flagello fulvo longi-fusiformi apice albo; thorax piceo quadrivittatus, lateribus pectoreque necnon abdominis fasciis ventreque testaceis; alæ cinereæ dimidio antico fulvo, macula discali subapicali fusco.*

Tawny. Antennæ ferruginous; flagellum tawny, elongate fusiform, white towards the tip. Thorax with four piceous stripes; sides and pectus testaceous. Abdomen testaceous beneath and

ɔeous bands along the hind borders of the segments. Wings fore half tawny; a brown spot in the disk beyond the discal ɛt. Length of the body 5 lines; of the wings 11 lines.

ırà. From Mr. Bates' collection.

Genus 8. THORASENA.

Antennæ 10-articulatæ, simplices, non stylatæ; articulus 3us ɛx. Frons concava. Thorax capite angustior. Scutellum ɛum.

ıetia, p., *Wied. Macq. Hist. Nat. Dipt.*
asena, *Macq. Dipt. Exot.* i. 1, 177.

Mediastinal vein ending at beyond one-third of the length of ving. Subcostal ending at beyond half the length. Radial ng at a little beyond the subcostal. First branch of the cubital ght, ending at beyond half the distance between the radial and econd branch which ends at some distance in front of the tip of ving. Four incomplete nearly straight externo-medial veins. ınal united to the anal at some distance from the border. Discal ıet forming two sides of the oblong hexagonal discal areolet. ian veinlet rather long. Humeral, subcostal, mediastinal, ıl, first cubital, second cubital, præbrachial, pobrachial, anal, ary, subapical, and discal areolets complete. Four incomplete mo-medial areolets. Subapical areolet in front of the tip of the ;.

1. Thorasena pectoralis.

igra; antennæ basi rufescentes; thorax lineis stramineis; pectus rubidum; abdomen apud medium subrufescens; pedes rubidi, tarsis nigris basi albis; alæ cinereæ, costa nigro-fusca.

metia pectoralis, *Wied. Analecta Ent.* 19, 2; *Auss. Zweifl.* ii. 26, 7. *Macq. Hist. Nat. Dipt.* i. 229, 3.
rasena pectoralis, *Macq. Dipt. Exot.* i. 1, 178, 1, pl. 21, f. 3.

nea.

Genus 9. PHYLLOPHORA.

Mas. Corpus angustum, lineare. Antennæ 7-articulatæ, capite llo longiores, articulus 1us longus; 2us cyathiformis; 3us, , 5us, et 6us brevissimi; 7us setiformis, longissimus. Thorax

antice angustatus. Scutellum quadrispinosum. Abdomen thora paullo latius, non longius. Pedes tenues.

Phyllophora, *Macq. Dipt. Exot.* ii. 178.

Mediastinal vein ending at before half the length of the wing. Radial ending at beyond half the length. First branch of the cubital ending at a little beyond half the length between the radial and the second branch, which ends at some distance in front of the tip of the wing. Three complete nearly straight externo-medial veins. Subanal vein united to the anal at some distance from the border. Discal areolet pentagonal. Median veinlet obsolete. Subapical areolet occupying the front of the tip of the wing.

1. Phyllophora nigra.

Nigra; antennæ fuscæ, basi scutellique spinæ flavæ; pedes fu alæ ad costam fuscæ.

Phyllomorpha nigra, *Macq. Dipt. Exot.* i. 1, 178, 1.
Clitellaria Cormasa, *Walk. Cat. Dipt.* 3, 524.

Genus 10. ACANTHINA.

Antennæ 7-articulatæ; flagellum breve, conicum. Tho valde productus. Scutellum quadrispinosum. Abdomen convex crassum. Pedes breves, tenues. Alæ parvæ.

Acanthina, *Wied. Auss. Zweifl.* ii. 50; *Macq.*

Mediastinal vein ending at half the length of the wing. S costal and radial veins ending before two-thirds of the length. F branch of the cubital straight, short, ending at one-fourth of distance between the radial and the second branch, which end far in front of the tip of the wing. Three complete externo-med veins. Subanal vein joining the anal at some distance from border. Median veinlet distinct. Discal areolet pentagonal.

A. Thorax albo vittatus.
  A. Alæ hyalinæ, vitta apiceque fuscis. - - longa, W
  B. Alæ fuscæ, fascia limpida. - - - elongata, W
B. Thorax fusco vittatus. - - - hieroglyphica, W
C. Thorax fulvo vittatus.
  A. Alæ margine postico fasciaque fuscis. - - ornata, M
  B. Alæ flavidæ. - - - - - - aurata, M

1. Acanthina longa.

ra ; *antennæ fulvæ ; thorax albo bivittatus ; pedes lutei ; alæ hyalinæ, vitta apiceque fuscis.*

iina longa, *Wied. Auss. Zweifl.* ii. 51, 2.

2. Acanthina elongata.

eo-nigra ; thorax lineis, abdomen maculis argenteis ; pedes albido-flavi, femoribus posticis nigro-fuscis ; alæ fuscæ, fascia limpida.

aria elongata, *Wied. Anal. Entom.* 30, 37.
hina elongata, *Wied. Auss. Zweifl.* ii. 52, 3, pl. 7, f. 9, a, b.
facq. Hist. Nat. Dipt. i. 241, 1.

Parà. From Mr. Bates' collection.

3. Acanthina hieroglyphica.

ra ; antennæ fulvæ ; thorax fulvo-hirtus, fusco vittatus ; abdomen nigrum, maculis albidis ; pedes fuscani ; alæ plerumque nigro-fuscæ.

hina hieroglyphica, *Wied. Auss. Zweifl.* ii. 50, 1.

l.

4. Acanthina ornata.

m. *Nigra ; antennæ fuscæ, basi testaceæ ; thorax et abdomen vittis maculisque aureis ; pedes fulvi, postici obscuriores ; alæ margine postico fasciaque fuscis.* Long. 3 lin.

hina ornata, *Macq. Dipt. Exot. Suppl.* i. 51, pl. 5. f. 5.
hina hieroglyphica, *var.* ?

ıbia.

rà. From Mr. Bates' collection.

5. Acanthina aurata.

ıs. *Nigra ; antennæ testaceæ, apice nigræ ; thorax et abdomen vittis maculisque aureis ; alæ flavidæ.*

thina aurata, *Macq. Dipt. Exot. Suppl.* i. 51, 2, pl. 5, f. 6.
ıbia.

Genus 11. STRATIOMYS.

Antennæ 7—8 articulatæ, arista brevi. Scutellum bispinosum.

Musca, p., *Linn.*
Hirtea, p., *Scopoli.*
Stratiomys, *Geoffr. Ins. ed. Fourcroy; Fabr.; Panz.;* Fall. *Zett.; Loew.*
Stratiomys et Odontomyia, *Latr.; Meig.; Macq.*

Mediastinal and radial veins ending near together at beyond half the length of the wing. First branch of the cubital extremely short, ending at two-thirds or more of the distance between the radial and the second branch, which ends at far in front of the tip of the wing. Four secondary very slender, incomplete and confluent externo-medial veins. Subanal vein joining the anal at a distance from the border. Discal veinlets forming one or two sides of the pentagonal or hexagonal discal areolet. Median vein short, but distinct. Humeral, subcostal, mediastinal, radial, first cubital, second cubital, præbrachial, pobrachial, anal, axillary, and apical and discal areolets complete. Four externo-medial areolets, axillary lobe, and subaxillary lobe incomplete. Subapical areolet in front of the tip of the wing.

Europe.

1. Stratiomys Balius.

Odontomyia Balius, *Cat. of Diptera*, Pt. 3, 533.

Europe.

A. Antennarum articulus 1us 2o quadruplo longior.
  A. Alæ fuscescentes.
    A. Femora fulva.
      a. Abdomen fasciis omnibus interruptis. Chamæleon. L
      b. Abdomen fascia una integra. - - Potamida, M
    B. Femora nigro-fusca. - - - - Cenisia, M
  B. Alæ fulvescentes.
    A. Abdomen fasciis interruptis flavis.
      a. Pedes fulvi. - - - - - concinna, M
      b. Pedes lutei. - - - - - equestris, M
    B. Abdomen fasciis interruptis albis. - - riparia, M
  C. Alæ fuscescentes, apice limpidæ. - longicornis, S

Alæ limpidæ, ad costam flavescentes. - furcata, *Fabr.*
Alæ limpidæ. - - - - - - annulata, *Meg.*
Alæ flavescentes, apicibus marginibusque posticis subcinereis. - - - - splendens, *Fabr.*
ıntennarum articulus 1us 2o longior aut duplo longior.
. Abdomen supra nigrum.
A. Abdomen subtus fulvum aut viride. - - tigrina, *Fabr.*
B. Abdomen subtus apud medium viride. halterata, *Schr.*
. Abdomen maculis lateralibus pallidis.
A. Alæ non maculatæ.
a. Abdomen maculis lateralibus trigonis fulvis. ornata, *Meig.*
b. Abdomen fasciis interruptis sulphureis. Hydrodromia, *Meig.*
c. Abdomen fasciis interruptis flavis. Russica, *Gimmerth.*
d. Abdomen maculis lateralibus viridibus. lunata, *Macq.*
B. Alæ puncto costali medio fusco. - argentata, *Fabr.*
C. Alæ maculis costalibus basalibus fuscis. septemguttata, *Wied.*
'. Abdomen utrinque albo lineatum. - Microleon, *Linn.*
Abdomen lateribus aurantiacis. - - - decora, *Wied.*
Abdomen lateribus fulvis. - - - flavissima, *Fabr.*
). Abdomen lateribus flavis. - - - limbata, *Hoffm.*
:. Abdomen lateribus viridibus.
A. Antennarum articulus 1us 2o plus duplo longior. - - - - - - connexa, *Walk.*
B. Antennarum articulus 1us 2o non duplo longior.
a. Abdomen vitta nigra.
i. Abdomen vitta lata. - - latifasciata, *Macq.*
ii. Abdomen vitta postice dilatata. - viridula, *Fabr.*
iii. Abdomen vitta angulata.
1. Tibiæ posticæ fulvæ.
* Antennæ omnino nigræ. - - felina, *Panz.*
** Antennæ basi fulvæ. - - Hydropota, *Meig.*
*** Antennæ ferrugineæ. - - ruficornis, *Zett.*
2. Tibiæ posticæ fusco cinctæ.
* Antennæ nigræ. - - - Hydroleon, *Linn.*
** Antennæ ferrugineæ, apice nigræ. brevicornis, *Loew.*
b. Abdomen maculis dorsalibus nigris. subvittata, *Meig.*
c. Abdomen macula postica duplicata nigra. bimaculata, *Meig.*
F. Abdomen omnino pallidum. - - - jejuna, *Schr.*

2. Stratiomys Chamæleon.

Nigra; thorax fuscus; scutellum flavum, macula basali triangulari nigra; abdomen fasciis interruptis flavis, subtus flavum strigis nigris; pedes fulvi; alæ fuscescentes.

Stratiomys Chamæleon, *Dumèril, Cons. Gen. Ins.* pl. 48, f. 5. *Zett. Dipt. Scand.* i. 134, 1. *Loew, Isis*, 1840, 556, 1.
Musca Chamæleon, *Deg. Frisch. Beschr.* i. 5, pl. 10.
——— *Swammerd. Bibl. Nat.* pl. 39, 41, (larva) *Sparrm. Sw. Trans.* 1804, (larva) *Schr. Naturf.* 27, (larva).

Europe—Sicily.

a—f. England. From Mr. Stephens' collection.

3. Stratiomys Potamida.

Nigra; thorax fuscus; scutellum flavum, macula basali fusca; abdomen maculis duabus lateralibus basi fasciisque duabus angustis flavis, 1*a* maris *interrupta, subtus flavum nigro fasciatum; pedes fulvi; alæ fuscescentes.*

Stratiomys Potamida, *Meig.*

Stratiomys Chamæleon, *var.?*

a—f. England. From Mr. Stephens' collection.

4. Stratiomys Cenisia.

Nigra; thorax fuscus; scutellum flavum, macula basali semicircular nigra; abdomen fasciis flavis interruptis, subtus flavum nigro fasciatum; pedes flavi, femoribus nigro-fuscis, tibiis pallidis fuscis; alæ fuscescentes.

Stratiomys Cenisia, *Meig. Zweifl.* iii. 136, 2. *Macq. Hist. Nat. Dipt.* i. 243, 2.

Mont Cenis.

5. Stratiomys concinna.

Nigra; scutellum flavum, basi nigrum; abdomen fasciis interruptis flavis; pedes fulvi, femoribus nigris; alæ fuscescentes.

omys concinna, *Meig. Zweifl.* iii. 137, 4. *Macq. Hist. Nat. Dipt.* i. 242, 4.

i Tenda. Turin.

:ily. From Mr. Saunders' collection.

:erlacken, Switzerland. Presented by F. Walker, Esq.

6. Stratiomys equestris.

s. *Nigra; thorax rufo-hirtus; scutellum postice flavum, spinis flavis apice nigris; abdomen supra fasciis interruptis, subtus fasciis integris flavis; pedes et halteres lutei; femora nigra, apice flava; alæ fulvescentes.*

Nearly allied to *S. concinna.*

omys equestris, *Meig. Zweifl.* vii. 106, 29. *Gimmerth. Bull. Soc. Imp. Nat. Mosc.* 1847, 168, 1.

:ia. Russia.

7. Stratiomys riparia.

gra; thorax rufo-villosus; abdomen strigis tribus lateralibus apiceque albis, subtus fasciis tribus albis; pedes flavi, tibiis apice femoribusque fuscis; alæ flavo-fuscescentes.

omys riparia, *Meig. Zweifl.* iii. 138, 6. *Macq. Hist. Nat. Dipt.* i. 242, 6.
omys furcata, var., *Loew, Isis,* 1840, 556, 3.

bania. From Mr. Saunders' collection.

8. Stratiomys longicornis.

gra; thorax rufo-villosus; abdomen subtus fasciis albis; pedes flavescentes, femoribus fuscis, tibiis fusco bicinctis; alæ fuscescentes, apice limpidæ.

:a longicornis, *Scopoli.*
iomys strigata, *Zett. Dipt. Scand.* i. 135, 3.
pallida, *Zeller, Isis,* 1840, 556, 4. *Gimmerth. Bull. Soc. Imp. Nat. Mosc.* 1847, 169, 3.

. England. From Mr. Stephens' collection.

9. Stratiomys furcata.

Nigra; thorax cinereo-villosus; scutellum flavum, macula bas triangulari flava; abdomen supra maculis lateralibus inæqualibus, subtus fasciis quatuor stramineis; pedes fus. femoribus nigro-fuscis, tibiis posticis fuscis; alæ limpidæ, ad costam flavescentes.

Stratiomys furcata, *Fabr. Zett. Dipt. Scand.* i. 135, 2. *Loew*, Isis 1840, 556, 2.
Musca Chamæleon, *Linn.*
Stratiomys Chamæleon, *Schr. Panz. Rossi.*

a—f. England. From Mr. Stephens' collection.

10. Stratiomys annulata.

Nigra; thorax aureo-tomentosus, subtus albo-tomentosus; abdomen fasciis tribus lateralibus fulvis, subtus flavum; pedes fulvi, femoribus nigris, tibiis posticis fusco cinctis; alæ limpidæ.

Stratiomys annulata, *Megerle; Meig.*
Odontomyia annulata, *Macq. Hist. Nat. Dipt.* i. 246, 3.

South France. Austria.

11. Stratiomys splendens.

Nigra, aureo-tomentosa; abdomen fasciis nigris; tarsi fulvi, flavescentes, apicibus marginibusque posticis subcinereis.

Stratiomys splendens, *Fabr.*

Spain.

12. Stratiomys tigrina.

Nigra; abdomen subtus fulvum; pedes fulvi, femoribus fus. tibiis fusco cinctis; alæ limpidæ, ad costam nigricantes.

Stratiomys tigrina, *Fabr.*
Stratiomys nigrita, *Zett. Dipt. Scand.* i. 138, 7. *Loew*, Isis 1840, 597, 10.

a—f. England. From Mr. Stephens' collection.

13. STRATIOMYS HALTERATA.

rra ; venter apud medium sordide viridis.

omys halterata, *Schr. Fauna Boic.* iii. 2380. *Meig. Zweifl.* ii. 152, 23.

ria.

14. STRATIOMYS ORNATA.

gra ; thorax fulvo-hirtus ; scutellum fulvo marginatum ; abdomen maculis lateralibus triangularibus fulvis, subtus pallidum ; pedes fulvi, femoribus basi nigris, tibiis fusco maculatis ; alæ limpidæ.

iomys ornata, *Meig. Zett. Dipt. Scand.* i. 136, 4. *Loew, Isis*, 1840, 557, 6.
tomyia furcata, *Macq. Hist. Nat. Dipt.* i. 245, 1.

England. From Mr. Stephens' collection.

15. STRATIOMYS HYDRODROMIA.

igra ; abdomen fasciis tribus interruptis apiceque sulphureis, subtus pallidum ; pedes flavi, femoribus fuscis, tibiis posticis fusco cinctis ; alæ limpidæ.

iomys Hydrodromia.

ngland. From Mr. Stephens' collection.

16. STRATIOMYS RUSSICA.

igra, antennarum articulus 1us 2o multo longior ; thorax cinereo-villosus ; abdomen fasciis interruptis flavis, subtus flavum, fasciis tribus nigris.

tiomys Russica, *Gimmerthal, Bull. Soc. Imp. Nat. Mosc.* 1847, 169, 4.

sia.

17. STRATIOMYS LUNATA.

œm. *Nigra ; caput et thorax nigro-metallica ; abdomen margine maculisque lateralibus viridibus ; pedes fulvi ; alæ limpidæ ; halteres flavi.*

Odontomyia lunata, *Oliv. Encycl. Méth.* viii. 436. *Macq. Dipt. Nord.* 129, 8; *Hist. Nat. Dipt.* i. 248, 12.
Stratiomys lunata, *Meig. Zweifl.* vii. 107, 31.

Normandy.

18. Stratiomys argentata.

Nigra; abdomen maris *argenteo-tomentosum maculis lateralibus flavis,* fœminæ *aureo-tomentosum; pedes fusci, tibiis fulvis fusco cinctis; alæ limpidæ, puncto costali medio fusco.*

Stratiomys argentata, *Fabr. Zett. Dipt. Scand.* i. 137, 6. *Zeller Isis,* 1842, 827, 10. *Gimmerth. Bull. Soc. Imp. Nat. Mos.* 1847, 169, 2.

a—d. England. From Mr. Stephens' collection.

19. Stratiomys septemguttata.

Nigra; thorax orichalceo-hirtus; abdomen maculis quatuor transversis majoribus, duabus minoribus, apice ventreque flavis; pedes flavi, tibiis posticis femoribusque apice nigro cinctis; alæ limpidæ maculis costalibus basalibus fuscis.

Stratiomys septemguttata, *Wied.; Meig. Zweifl.* iii. 150, 20.

Istria.

20. Stratiomys Microleon.

Nigra; abdomen utrinque albo lineatum, subtus pallidum; alæ hyalinæ.

Stratiomys microleon, *Meig. Zweifl.* vi. 346. *Germ.; Akrens, Fauna Ins. Eur. fasc.* 8, pl. 23. *Zett. Dipt. Scand.* i. 137, 5.
Odontomyia microleon, *Macq. Hist. Nat. Dipt.* i. 246, 5.

21. Stratiomys decora.

Nigra; thorax albo-hirtus; abdomen lateribus ventreque aureo-tiacis; femora antica basi ferruginea; tarsi basi rufi; alæ limpidæ.

Stratiomys decora, *Wied.; Meig. Zweifl.* iii. 144, 12.
Odontomyia decora, *Macq. Hist. Nat. Dipt.* i. 245, 2.

France. Austria.

22. STRATIOMYS FLAVISSIMA.

ra ; abdomen fulvum, vitta lata nigra ; alæ limpidæ, costa basi fusca.

›mys flavissima, *Fabr. Ent. Syst.* iv. 265, 8 ; *Syst. Antl.* 79, . *Coqueb. Illustr.* 101, pl. 23, f. 5. *Meig. Zweifl.* iii. 153, 5.

omyia flavissima, *Meig. Klassif. Zweifl.* i. 131, *b.*

23. STRATIOMYS LIMBATA.

ra ; abdomen flavo limbatum ; genua flava ; alæ limpidæ.

›mys limbata, *Hoffm.; Meig. Zweifl.* iii. 151, 21.

gal.

24. STRATIOMYS CONNEXA.

ro-ænea ; caput flavo-viride, nigro maculatum ; thoracis et abdominis latera, scutelli margo posticus et venter flavo-viridia ; pedes nigri, tibiis tarsisque basi flavis ; alæ cinereæ, ad costam fuscæ.

iomys connexa, *Walk. Ins. Brit. Dipt.* i. 17, 7.

ıgland. From Mr. Stephens' collection.

25. STRATIOMYS LATIFASCIATA.

igra, flavo-hirta ; scutellum margine postico flavo, spinis apice nigris ; abdomen viride, vitta lata nigra.

ıtomyia latifasciata, *Macq. Hist. Nat. Dipt.* i. 248, 11.
iomys latifasciata, *Meig. Zweifl.* vii. 107, 32.

ıce.

26. STRATIOMYS VIRIDULA.

igra ; scutellum flavo cinctum ; abdomen viride, vitta dorsali nigra postice dilatata ; pedes flavi ; alæ limpidæ.

Stratiomys viridula, *Fabr. Zett. Dipt. Scand.* i. 140, 11. *Loew. Iris*, 1840, 557, 9.

a—f. England. From Mr. Stephens' collection.

27. Stratiomys felina.

Nigra; abdomen supra viride, vitta lata angulata nigra, sub virescens; pedes fulvi; alæ limpidæ.

Stratiomys felina, *Panz. Faun. Germ.*

a. ——— ?

28. Stratiomys Hydropota.

Nigra; antennæ basi fulvæ; abdomen viride, vitta dorsali nigra angulata; pedes fulvi; alæ limpidæ.

Stratiomys Hydropota, *Meig.*
Odontomyia Hydropota, *Macq. Hist. Nat. Dipt.* i. 247, 8.

a, b. England. From Mr. Stephens' collection.
c. ——— ?

29. Stratiomys ruficornis.

Mas et Fœm. *Nigra; antennæ totæ ferrugineæ; abdomen viride, supra vitta æqualiter lata angulata nigra; pedes flavo-testacei.*

Stratiomys ruficornis, *Zett. Dipt. Scand.* i. 139, 9.
Sweden.

30. Stratiomys Hydroleon.

Nigra; antennæ totæ nigræ; scutellum apice fulvum; abdomen viride, vitta dorsali nigra angulata; pedes fulvi, tibiis postis fusco cinctis; alæ limpidæ.

Musca Hydroleon, *Linn.*
Stratiomys Hydroleon, *Zett. Dipt. Scand.* i. 140, 10. *Loew. Iris*, 1840, 557, 7.

31. Stratiomys brevicornis.

Hydroleon *similis; caput latius; antennæ breviores, ferrugineæ apice nigræ; abdomen gracilius.*

omys brevicornis, *Loew, Isis*, 1840, 557, 8.

32. Stratiomys subvittata.

gra; abdomen viride, maculis dorsalibus nigris; pedes flavi; alæ limpidæ.

omys subvittata, *Meig. Zweifl.* iii. 150, 19.

any.

igland. From Mr. Stephens' collection.
England.

33. Stratiomys bimaculata.

em. *Nigra; scutellum spinis flavis; abdomen viride, macula postica duplicata nigra; pedes flavescentes; alæ limpidæ; halteres albi.*

iomys bimaculata, *Meig. Zweifl.* vii. 106, 30.

ria.

34. Stratiomys jejuna.

gra; abdomen ferrugineum, pellucidum; pedes fulvi.

iomys jejuna, *Schr. Fauna Boic.* iii. 2384. *Meig. Zweifl.* iii. 153, 24.

ria.

North America.

35. Stratiomys ischiaca.

tiomys ischiaca, *Harris, Cat. of Diptera*, Pt. 3, 529.

36. Stratiomys nigrifrons.

Stratiomys nigrifrons, *Cat. of Diptera*, Pt. 3, 531.

37. Stratiomys nymphis.

Stratiomys Nymphis, *Cat. of Diptera*, Pt. 3, 530.

38. Stratiomys Paron.

Odontomyia Paron, *Cat. of Diptera*, Pt. 3536.

North America.

A. Antennarum articulus 1us 2o multo longior.
  A. Alæ fuscescentes.
    A. Scutellum apice luteum.
      a. Antennæ nigræ.
        i. Abdomen maculis lateralibus flavis. Meigenii, W
        ii. Abdomen immaculatum. - - robusta, M
      b. Antennæ basi fulvæ. - - - flaviceps, M
    B. Scutellum apice obscurum. - - - Norma, W
  B. Alæ subflavæ. - - - - - - pulchella, M
  C. Alæ limpidæ, costa flava. - - - intermedia, W
  D. Alæ hyalinæ. - - - - - - vicina, M
B. Antennarum articulus 1us 2o æqualis aut vix longior.
  A. Abdominis latera obscura.
    A. Tibiæ nigræ. - - - - - - flavicr
    B. Tibiæ pallidæ.
      a. Femora nigra. - - - - obscura, M
      b. Femora pallida. - - - - - cincta, (
  B. Abdominis latera pallida.
    A. Alæ ad costam fuscæ. - - - limbipennis, M
    B. Alæ ad costam limpidæ.
      a. Abdomen marginibus pallidis. - - pallipes, F
      b. Abdomen pallidum, vitta nigra.
        i. Scutellum fuscum. - - - vertebrata, S
        ii. Scutellum nigrum. - - - - virgo, W

39. Stratiomys Meigenii.

Nigra; scutellum apice, abdomen utrinque maculis trigonis di et vittula anali luteis; tibiæ tarsique basi flava; alæ fu centes.

Stratiomys Meigenii, *Wied.*

40. Stratiomys robusta.

m. *Nigra; oculi testaceo ex parte marginati; antennæ capite duplo longiores; scutellum margine postico spinisque flavis; abdomen crassum, marginibus vitta apicali ventreque flavis, hac fasciis tribus abbreviatis nigris; pedes flavi, femoribus nigris, tibiis nigro cinctis; alæ fuscæ, apice limpidæ; halteres flavi.*

em. Black. Head testaceous about part of the eyes. An- about twice the length of the head; first joint full six times ngth of the second. Thorax clothed with pale down; hind r and spines of the scutellum yellow. Abdomen convex, very yellow along each side, and with a yellow stripe on the apical nt; under side yellow, with three broad black bands which are abbreviated on each side. Legs yellow; femora black; a band on each tibia. Wings brown, with limpid tips; veins is. Halteres yellow. Length of the body 5 lines; of the 10 lines.

rth America. Presented by Sir Roderick Impey Murchison.

41. Stratiomys flaviceps.

gra; caput flavum, nigro varium; antennæ basi fulvæ; thoracis latera et pectus flava, nigro maculata; scutellum fœminæ *flavum,* maris *margine postico flavo; abdomen maculis sex lateralibus unaque apicali flavis; pedes flavi, femoribus nigris; alæ apud medium fuscescentes.*

iomys flaviceps, *Macq. Hist. Nat. Dipt.* i. 245, 1. *Guér. Icon. Règne Anim. Ins. Texte,* 544.
iomys coronata, *Serv.; Guér. Icon. Règne Anim. Ins.* pl. 98, f. 6.

delphia.

42. Stratiomys Norma.

gra; vertex et scutellum subbadia; abdomen maculis vittulisque sulphureis; pedes lutei; alæ fuscescentes.

iomys Norma, *Wied.*

43. Stratiomys pulchella.

Fœm. *Nigra; antennæ basi, thoracis latera scutellumque fulva; abdomen fasciis tribus ventreque viridibus; tibiæ tertia fulva; alæ subflavæ.*

Stratiomys pulchella, *Macq. Dipt. Exot.* i. 1, 180, 3, pl. 22, f. 2.

Georgia.

44. Stratiomys intermedia.

Nigra; thorax aurario-hirtus; abdomen utrinque maculis tr versis margineque luteis, subtus flavescens; pedes flavi, fe ribus nigro-piceis; alæ limpidæ, costa flava.

Stratiomys intermedia, *Wied.*

45. Stratiomys vicina.

Mas. *Nigra; caput albido maculatum; thorax vittis latera pectus maculis scutellumque margine flavis; abdomen ma lateralibus fulvis trigonis; tibiæ tarsique fulva; alæ hy*

Stratiomys vicina, *Macq. Dipt. Exot.* i. 1, 181, 4.
St. flaviceps, *Macq.* Mas?

Allied to *S. intermedia.*

Philadelphia.

46. Stratiomys flavicornis.

Fœm. *Nigra; facies et frons fulva; antennæ rufo-fulvæ, c nigræ; thorax albido trivittatus; scutellum fulvum, c flavis; abdomen cyaneo-nigrum, segmenta 2o ad 5um ma lateralibus albidis; genua fulva; tarsi basi albido-flavi.*

Odontomyia flavicornis, *Bosc.; Macq. Hist. Nat. Dipt.* i. 243.

North America.

47. Stratiomys obscura.

Mas. *Nigra; thoracis maculæ laterales, scutellum, abd latera, segmentorum margines postici, ventrisque macu ridia; tibiæ tarsique fulva; alæ hyalinæ.*

omyia obscura, *Oliv. MSS.* *Macq. Dipt. Exot.* i. 2, 189.
na.

48. STRATIOMYS CINCTA.

s. *Nigra; frons viridis, nigro bimaculatus; antennæ fulvæ, apice fuscæ; thoracis latera, scutellum abdominisque fasciæ tres viridia; pedes fulvi; alæ hyalinæ.*

omyia cincta, *Oliv. MSS.* *Macq. Dipt. Exot.* i. 2, 189.
na.

49. STRATIOMYS LIMBIPENNIS.

m. *Nigra; abdomen disciforme, viride vel fulvum, vitta nigra postice dilatata; alæ hyalinæ, ad costam fuscæ.*

omyia limbipennis, *Macq. Dipt. Exot. Suppl.* 2, 30, 24.
ica.

50. STRATIOMYS PALLIPES.

ra; *caput linea frontali flavescente; scutellum margine ferrugineo, dentibus duobus albis; abdomen marginibus segmentorum latere albidis, subtus pallidum; pedes pallidi.*

omys pallipes, *Fabr. Ent. Syst.* iv. 265, 12; *Syst. Antl.* 81, 3. *Wied. Auss. Zweifl.* ii. 76, 27.
: or South America.

51. STRATIOMYS VERTEBRATA.

ra; *thorax albido-pubescens; scutellum fuscum, spinis duabus albidis; abdomen albidum vitta inæquali nigra; pedes flavi; alæ limpidæ.*

tomyia vertebrata, *Say.*

52. STRATIOMYS VIRGO.

gra; *abdomen viride, vitta coarctata postice abbreviata nigra; pedes flavi; alæ limpidæ.*

Stratiomys virgo, *Wied. Aus. Zweifl.* ii. 69, 13.
North America.

Mexico.

53. Stratiomys Lefebvrei.

Mas. *Viridis; antennæ nigræ, basi virides; thoracis discus, dominis vitta lata et puncta duo lateralia nigra; femora tibiæque apice tarsique nigra; alæ hyalinæ, ad costam subflavæ.* Long. 5½ lin.

Odontomyia Lefebvrei, *Macq. Dipt. Exot.* i. 1, 189, 13.

54. Stratiomys emarginata.

Mas. *Nigra; scutellum margine postico spinisque flavis; abdomen flavum vitta lata bis emarginata nigra; pedes fulvi, femoribus nigricantibus; alæ hyalinæ, ad costam flavæ.*

Odontomyia emarginata, *Macq. Dipt. Exot.* i. 1, 190, 14.

West Indies.

55. Stratiomys albomaculata.

Nigra; antennæ fulvæ, basi apiceque fuscæ; scutellum fulvum; abdomen cærulescens albido maculatum; metatarsi albi; alæ subcinereæ.

Odontomyia albomaculata, *Macq. Dipt. Exot.* i. 1, 189, 12.
St. Domingo.

56. Stratiomys vicina.

Fœm. *Nigra; abdomen viride fascia dorsali nigra, angusta, dilatata.*

Odontomyia vicina, *Macq. Dipt. Exot.* i. 1, 188, 11.
Allied to *S. viridis.*
Cuba.

South America.

57. Stratiomys maculifrons.

tomyia maculifrons, *Cat. of Diptera*, Pt. 1, 536.

58. Stratiomys Aleus.

ochæta Aleus, *Cat. of Diptera*, Pt. 1, 526.

59. Stratiomys aterrima.

tomyia aterrima, *Diptera Saundersiana*, 2, 78.

60. Stratiomys histrio.

tomyia histrio, *Diptera Saundersiana*, 2, 77.

lombia. From Mr. Saunders' collection.

utellum bispinosum.
Antennarum articulus 1us 2o multo longior.
. Abdomen silaceo fasciatum. - - mutabilis, *Fabr.*
. Abdomen fasciis duabus interruptis albidis. subalba, *Walk.*
. Abdomen maculis lateralibus viridibus. - festiva, *Walk.*
Antennarum articulus 1us 2o æqualis aut vix longior.
. Alæ fuscæ, fascia alba. - - - fascipennis, *Fabr.*
. Alæ flavæ aut subflavæ.
a. Femora tibiæque fusco cincta. - - conica, *Fabr.*
i. Facies conica. - - - - rostrata, *Wied.*
ii. Facies non conica. - - - - elegans, *Macq.*
. Alæ hyalinæ, ad costam fuscescentes. quadrilineata, *Macq.*
. Alæ hyalinæ, ad costam flavæ.
a. Alæ basi flavæ. - - - - cruciata, *Macq.*
b. Alæ basi limpidæ.
i. Thoracis vittæ rufo marginatæ. - fasciata, *Macq.*
ii. Thoracis vittæ non marginatæ. pallidiventris, *Macq.*

B. Alæ limpidæ.
a. Pedes anteriores nigri. - - melanopsis, Wied.
b. Femora medio nigra. - - - rubricornis, Macq.
c. Femora omnino pallida.
i. Tibiæ posticæ apice fuscæ - - heteroneura, Macq.
ii. Tibiæ posticæ omnino pallidæ.
1. Thorax trivittatus. - - - lineata, Fabr.
2. Thorax bivittatus.
* Abdomen nigrum, luteo varium. pulchra, Wied.
** Abdomen testaceum, vitta nigra. subcuprata, Wied.
*** Abdomen viride. - - chloraspis, Wied.
3. Thorax non vittatus.
† Scutellum luteum.
‡ Thorax albido pubescens. - virens, Wied.
‡‡ Thorax fulvo sericeus. - dorsalis, Fabr.
2. Scutellum nigrum.
* Thorax cupreo-hirtus. - - cuprina, Wied.
** Thorax non cupreo-hirtus.
† Facies argentea. - - - leucopsis, Wied.
†† Facies non argentea. - - Limæ, Gu.
B. Scutellum non spinosum. - - - inermis, W.

61. Stratiomys mutabilis.

Nigra; thorax orichalceo-hirtus; abdomen silaceo fasciatum; pedes ferruginei, femoribus nigris; alæ flavescentes, ad c. fuscæ.

Stratiomys mutabilis, *Fabr. Ent. Syst.* iv. 266, 13; *Syst. Ant.* 14. *Wied. Auss. Zweifl.* ii. 63, 4, pl. 8, f. 6, a—d. *Perty. Anim. Artic. Bras.* pl. 36, f. 14.
Stratiomys fasciata, *Fabr. Ent. Syst.* iv. 266, 14; *Syst. Antl.* 81.

Cayenne.

a. Brazil. Presented by J. P. G. Smith, Esq.
b—d. Parà. From Mr. Bates' collection.
e. ——— ?

62. Stratiomys subalba.

ɜ. *Nigra, subtus argenteo-pubescens; antennæ capite fere duplo longiores, articulus 1us basi fulvus; scutellum margine postico fulvo, spinis duabus testaceis; abdomen fasciis duabus interruptis albidis, subtus viride argenteo-tomentosum; pedes fulvi, femoribus nigris; alæ limpidæ, angustæ, antice fuscæ; halteres albi.*

Male. Black, clothed beneath with silvery down. Antennæ twice the length of the head; first joint tawny towards the nearly six times the length of the second; flagellum elongate-m. Scutellum tawny along the hind border, with two testa-spines. Abdomen with two interrupted whitish bands, one on cond, the other on the third segment; under side pale green, ilvery tomentum. Legs tawny; femora black. Wings lim-arrow, dark brown in front. Halteres white. Length of the 3 lines; of the wings 6 lines.

rà. From Mr. Bates' collection.

63. Stratiomys festiva.

m. *Nigra; caput fulvum, supra nigrum; antennæ capite plus duplo longiores; thorax fulvo novemmaculatus, spinis piceis; abdomen maculis sex lateralibus fasciisque tribus ventralibus viridibus; alæ fuscæ, basi apud costam pallidiores, venis nigris basi fulvis; halteres albi apice virides.*

Fem. Black. Head tawny; vertex and front mostly black. nnæ much more than twice the length of the head; first joint y four times the length of the second; flagellum unusually Thorax with three tawny spots on each side, and two on the a quadrate tawny spot on the scutellum; spines piceous. Ab-n with three bright apple-green spots on each side, and with short green bands beneath. Wings dark brown, paler in front rds the base; veins black, tawny at the base. Halteres white, green tips. Length of the body 5 lines; of the wings 10 lines.

arà. From Mr. Bates' collection.

64. Stratiomys fascipennis.

Nigra; scutellum dentibus duabus pallidis; tibiæ postica fas alba; alæ fuscæ fascia alba.

Stratiomys fascipennis, *Fabr. Syst. Antl.* 84, 26. *Wied. Zweifl.* ii. 75, 25.

South America.

65. Stratiomys cruciata.

Mas. *Nigra; thoracis latera, scutellum, pectus et abdomen fa aut viridia; abdomen fascia nigra dorsali cruciata; fulvi; alæ basi et ad costam flavæ.*

Odontomyia cruciata, *Macq. Dipt. Exot.* i. 1, 188. 10.

Chili.

66. Stratiomys fasciata.

Facies, frons et antennæ fulvæ; thorax niger flavo-pubescens, duabus viridibus rufo marginatis, lateribus viridi pectus nigricans, maculis duabus rufescentibus; scutellu ride; abdomen flavo-viride; pedes flavi; alæ hyalinæ costam flavescentes.

Odontomyia fasciata, *Macq. Hist. Nat. Dipt.* i. 249, 16.

South America.

67. Stratiomys pallidiventris.

Nigra; caput antice antennæ pedesque fulva; thorax albido-t tosus, maris *lineis flavescentibus,* fœm. *vittis latis viridi abdomen viride; alæ hyalinæ, ad costam flavæ.*

Odontomyia pallidiventris, *Macq. Dipt. Exot.* x. *Suppl.* i. 53.

Brazil.

68. STRATIOMYS CONICA.

ida; antennæ apice nigro-fuscæ; frons depresso-prominula; thorax rubido trivittatus; femora apice tibiæque medio fusca; alæ flavescentes.

mys conica, *Fabr. Syst. Antl.* 81, 16. *Wied. Auss. Zweifl.* 7, 10.

America.

69. STRATIOMYS ROSTRATA.

a; facies conica; thorax utrinque flavidus; abdomen utrinque maculis duabus viridibus; alæ flavæ.

mys rostrata, *Wied. Auss. Zweifl.* ii. 68, 11.
omyia rostrata, *Macq. Hist. Nat. Dipt.* i. 249, 15; *Dipt. Exot.* 1, 186, 8, pl. 22, f. 4, a, b.

70. STRATIOMYS ELEGANS.

n. *Viridis; antennæ nigræ basi fulvæ; thoracis discus abdominisque dorsum nigra, hoc maculis lateralibus viridibus, illo viridi bivittato; pedes flavi; alæ subflavæ.*

omyia elegans, *Macq. Dipt. Exot.* i. 1, 187, 9.

America.

71. STRATIOMYS QUADRILINEATA.

idis; frons basi, fascia apiceque nigris; antennæ fuscæ? thorax vittis tribus nigris, intermedia antice posticeque dilatata; scutellum spinis fulvis; abdomen nigro-fuscum, segmentis 2o et 3o viridi quadrivittatis; pedes fulvi; alæ hyalinæ, ad costam fuscescentes.

tomyia quadrilineata, *Macq. Hist. Nat. Dipt.* i. 348, 13.

America.

72. STRATIOMYS RUBRICORNIS.

s. *Cæruleo-nigra; antennæ testaceæ, apice fuscæ; abdomen album, vitta dorsali nigra; pedes posticæ fulvi, femoribus medio nigris; alæ hyalinæ.*

Odontomyia rubricornis, *Macq. Dipt. Exot. Suppl.* i. 53, 21.
Merida, Yucatan.

73. Stratiomys melanopsis.

Nigra; antennæ flavæ; thorax pilis supra flavescentibus nitidis argenteis; abdomen viride; pedes postici flavi; alæ limpidæ.

Stratiomys melanopsis, *Wied. Auss. Zweifl.* ii. 70, 15.
Cassepawa, Brazil.

74. Stratiomys heteroneura.

Mas. *Nigra; antennæ, pedes postici metatarsique anteriores fusci; abdomen viride; tibiæ tarsique postica apice fuscæ: alæ hyalinæ.* Long. 3½ lin.

Odontomyia heteroneura, *Macq. Dipt. Exot.* i. 1, 186, 7, pl. 5 f. 3.
Brazil.

75. Stratiomys lineata.

Viridis; caput nigro biguttatum; thorax ochraceo trivittatus; pedes flavi; alæ limpidæ.

Stratiomys lineata, *Fabr. Syst. Antl.* 83, 22. *Wied. Auss. Zweifl.* ii. 70, 16.
South America.

76. Stratiomys pulchra.

Nigra; thorax vittis duabus marginibus lateralibus scutelloque spinoso viridibus; abdomen segmentorum lateribus marginibusque posticis luteis; pedes fulvi; alæ limpidæ.

Stratiomys pulchra, *Wied.*
Odontomyia pulchra, *Macq. Dipt. Exot.* i. 1, 186, 7.

77. Stratiomys subcuprata.

m. *Viridis; caput supra æneo-fusco bifasciatum; antennæ ferrugineæ, capite multo breviores; thorax æneo-fusco trivittatus; scutellum spinis fulvis; abdomen testaceum, vitta dorsali lata nigra, subtus albo-tomentosum; pedes fulvi; alæ limpidæ, penis fulvis; halteres virides.*

'em. Green. Head above with two bronze-brown bands. næ ferruginous, much shorter than the head. Thorax with very broad bronze-brown stripes. Scutellum with two tawny . Abdomen testaceous, with a broad black dorsal stripe; side with white tomentum. Legs tawny. Wings limpid; tawny. Halteres green. Length of the body 4½ lines; of the 8 lines.

ıtarem, Brazil. From Mr. Bates' collection.

78. Stratiomys chloraspis.

ra; caput, thoracis latera vittæque duæ, scutellum et abdomen viridia; antennæ et pedes flava; alæ limpidæ.

omys chloraspis, *Wied. Auss. Zweifl.* ii. 68, 12.

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79. Stratiomys virens.

ra; antennæ ferrugineæ; thorax albido-pubescens; scutellum luteum; abdomen viride, vitta nigra postice dilatata; pedes flavi; alæ limpidæ.

omys virens, *Wied. Auss. Zweifl.* ii. 73, 21.

l.

80. Stratiomys dorsalis.

ra; antennæ fulvæ, apice fuscæ; thorax fulvo sericeus; scutellum melleum; abdomen flavidum, vitta lata inæquali nigra; pedes fulvi; alæ limpidæ.

omys dorsalis, *Fabr. Syst. Antl.* 82, 20. *Wied. Auss. Zweifl.* i. 66, 9.

ı America.

81. Stratiomys cuprina.

Nigra; antennæ fulvæ; thorax cupreo-hirtus; abdomen luteum; pedes flavi; alæ limpidæ.

Stratiomys cuprina, *Wied. Auss. Zweifl.* ii. 69, 14.

Cassapawa, Brazil.

82. Stratiomys leucopsis.

Nigra; facies argenteo-hirta; antennæ fulvæ; abdomen helvum; pedes helvi; alæ limpidæ.

Stratiomys leucopsis, *Wied. Auss. Zweifl.* ii. 74, 22.

Cassapawa, Brazil.

83. Stratiomys Limæ.

Nigra; abdomen viride, vitta lata bimaculari dorsali nigra; pedes testacei; alæ limpidæ.

Odontomyia Limæ, *Guér. Voy. de la Coquille, Ins.* pl. 20, f. 12.

Peru.

84. Stratiomys inermis.

Nigra; caput flavum; antennæ basi flavescentes; thorax limbus maculisque disci (Mas), *vittis duabus* (Fœm.) *flavis aut viridibus; scutellum inerme; abdomen margine maculisque utrinque margine conjunctis* (Mas), *a margine sejunctis* (Fœm.) *flavis; pedes flavi; alæ limpidæ.*

Stratiomys inermis, *Wied. Auss. Zweifl.* ii. 71, 18.

Monte Video. Cassapawa.

Africa.

A. Antennarum articulus 1us 2o multo longior. Anubis, *Wied.*
B. Antennarum articulus 1us 2o æqualis aut vix longior.
 A. Alæ ad costam flavæ aut fulvæ.
  A. Scutellum bispinosum. - - - frontalis, *Macq.*
  B. Scutellum inerme. - - - - anodonta, *Macq.*

b. Tibiæ omnino fuscæ.

Pedes nigro varii.

a. Tibiæ posticæ nigro cinctæ. - - dispar, *Macq.*

b. Tibiæ omnino fuscæ. - - - edentula, *Wied.*

Pedes omnino pallidi.

a. Scutelli spinæ mediocres.

i. Thorax flavo-pubescens. - - Guerinii, *Macq.*

ii. Thorax non flavo-pubescens. - albipennis, *Macq.*

b. Scutelli spinæ longæ. - - nemifasciata, *Macq.*

85. Stratiomys Antelis.

Nigra, albido-hirta; abdomen utrinque maculis triangulis luteis, minimis connexis; tarsi basi flavi; alæ saturate flavæ.

Stratiomys Antelis, *Wied. Anal. Zoolog.* ii. 60. 1.

86. Stratiomys frontalis.

Nigra; frons fulva, macula nigra; antennæ fulvæ, articulus 3us saepius niger; abdomen viride, fascia lata nigra fere recta; pedes fulvi; alæ hyalinæ, ad costam flavæ.

Stratiomyia frontalis, *Macq. Dipt. Exot.* i. 1. 185. 4.

East Indies?

87. Stratiomys anodonta.

Nigra; scutellum muticum; abdomen viride seu flavum, vittis nigris; pedes fulvi, femoribus nigris; tibiis nigro cinctis; alæ hyalinæ, ad costam fulvæ.

Stratiomyia anodonta, *Macq. Dipt. Exot. Suppl.* i. 52. 18.

88. Stratiomys dispar.

Nigra; antennæ basi fulvæ; abdomen albidum maculis dorsalibus nigris (mas), aut fasciis nigris (fem.); pedes flavi, tibiis posticis femoribusque nigro cinctis; alæ albæ.

Stratiomyia dispar, *Macq. Dipt. Exot.* i. 1, 183, 2.

Bengal.

89. Stratiomys edentula.

Nigra; scutellum inerme; abdomen utrinque maculis tribus lin-ribus margineque apicis albis; pedes fusci, femoribus nigris; alæ limpidæ.

Stratiomys edentula, *Wied. Analecta Ent.* 29, 35; *Aus. Zweif.* 70, 17.

Cape.

90. Stratiomys Guerinii.

Mas. *Nigra; antennæ fulvæ, apice fuscæ; thorax flavo-pu-cens; abdomen viride, fascia lata dorsali nigra; pedes fu-alæ hyalinæ.*

Odontomyia Guerinii, *Macq. Dipt. Exot.* i. 1, 183, 1.

Senegal.

91. Stratiomys albipennis.

Mas. *Nigra; antennæ basi fulvæ; abdomen pallide viride; flavi, femoribus anterioribus flavis; alæ albæ.*

Odontomyia albipennis, *Macq. Dipt. Exot.* i. 1, 184, 3.

Senegal.

92. Stratiomys rectifasciata.

Mas et Fœm. *Scutelli spinæ longæ; abdomen viride vitta fere recta.*

Odontomyia rectifasciata, *Macq. Dipt. Exot.* i. 1, 191, 16.

Cape.

93. Stratiomys? quadrilineata.

Nigra; caput apud oculos album; antennæ apice albæ; lætissime cupreo; scutellum quadrispinosum; abdomen genteo maculatum; alæ fuscanæ.

ratiomys quadrilineata, *Fabr. Ent. Syst.* iv. 268, 23. *Wied. Auss. Zweifl.* ii. 72, 19.
phomyia?
erra Leone.

Asia.

94. STRATIOMYS BARCA.

ratiomys Barca, *Cat. of Diptera*, Pt. 3, 530.

95. STRATIOMYS GARATAS.

lontomyia Garatas, *Cat. of Diptera*, Pt. 3, 532.

96. STRATIOMYS SOLENNIS.

lontomyia solennis, *Diptera Saundersiana*, Pt. 2, 79.
ast Indies.

97. STRATIOMYS VENTRALIS.

Mas. *Nigra; abdomen maculis utrinque tribus unaque apicali, necnon ventre toto flavicantibus.*

tratiomys ventralis, *Loew, Ent. Zeit. Stett.* viii. 369, 1.
iberia.

98. STRATIOMYS NIGRIPES.

Fœm. *Nigra; abdomen viride vel fulvum, vitta lata nigra; alæ subflavescentes.*

dontomyia nigripes, *Macq. Dipt. Exot. Suppl.* i. 29, 22.
yria.

99. STRATIOMYS RUFICORNIS (Nomen bis lectum).

Mas. *Nigra; antennæ rufæ; abdomen maculis lateralibus flavis; tibiæ tarsique fulva; alæ subfulvæ.*

tratiomyia ruficornis, *Macq. Dipt. Exot.* i. 1, 180, 2.
Bagdad.

100. Stratiomys flavifrons.

Fœm. *Nigra; abdominis segmentum 2um maculis lateralis flavis, 3um 4umque fascia flava angusta postica interrupta; pedes fulvi, tibiis posticis femoribusque nigris; alæ flavo-nigro fuscæ.*

Stratiomyia flavifrons, *Macq. Dipt. Exot.* i. 1, 179, 1.

Mesopotamia.

Hindostan, &c.

A. Thorax cupreo-pubescens. - - - rubrithorax, M.
B. Thorax non cupreo-pubescens.
  A. Alæ ad costam subflavæ - - - consobrina, M.
  B. Alæ omnino limpidæ.
    A. Thorax aurato vittatus. - - - viridana, W.
    B. Thorax argentaceo vittatus. - - siderogaster, W.
    C. Thorax non vittatus.
      a. Antennæ capite plus duplo longiores. - apicalis, W.
      b. Antennæ capite breviores.
        i. Abdomen piceum. - - - diffusa, W.
        ii. Abdomen fuscum. - - - - minuta, F.
        iii. Abdomen album. - - - - pusilla, F.

101. Stratiomys rubrithorax.

Mas. *Nigra; thorax cupreo-pubescens; abdomen albidum, mora flavo anteriora nigro maculata.*

Odontomyia rubrithorax, *Macq. Dipt. Exot.* i. 1, 185, 5.

Bengal.

102. Stratiomys consobrina.

Mas. *Nigra; thorax flavido-pubescens; abdomen viride, fasciata dorsali nigra; pedes fulvi, tibiis posticis nigris; alæ limpidæ, ad costam subflavæ.*

Odontomyia consobrina, *Macq. Dipt. Exot. Suppl.* 3, 16, 25.

Java.

103. Stratiomys viridana.

igra; antennæ et pedes fulva; thorax aurato vittatus; scutellum viride; abdomen maculis lateralibus ventrequa viridibus; alæ limpidæ.

iomys viridana, *Wied. Analecta Ent.* 29, 34; *Auss. Zweifl.* ii. 66, 8.

gal.

104. Stratiomys siderogaster.

'igra; thorax argentaceo vittatus; scutellum bispinosum, apice ferrugineum; abdomen ferrugineum; alæ limpidæ.

tiomys siderogaster, *Wied. Auss. Zweifl.* ii. 65, 7.

a.

105. Stratiomys apicalis.

'œm. *Nigra, fulvo-pubescens; antennæ capite fere triplo longiores; scutellum spinis duabus fulvis; segmentorum abdominalium margines postici fasciis lateralibus fulvis, subtus pallide testacei; pedes fulvi, tibiis tarsisque anticis femoribusque nigris, tibiis posterioribus nigro bifasciatis; alæ fuscæ, apice limpidæ, venis nigris; halteres fulvi.*

Fem. Black, clothed with tawny down. Antennæ nearly thrice e length of the head; first joint more than six times the length of e second. Scutellum with two tawny spines. Hind borders of e abdominal segments with short tawny bands on each side, pale staceous beneath. Legs tawny: femora and fore legs black; tibiæ th two blackish bands; tips of the tarsi brown. Wings brown, npid at the tips; veins black. Halteres tawny. Length of the dy 5—7 lines; of the wings 12 lines.

Shanhgai, North China. From Mr. Cuming's collection.
Shanghai, North China. From Mr. Fortune's collection.

106. Stratiomys diffusa.

Fœm. *Nigra, testaceo-tomentosa; caput antice et subtus testaceum; antennæ ferrugineæ, capite multo breviores; scutelli spinæ testaceæ; abdomen piceum, basi subtusque testaceum; pedes testacei; alæ limpidæ, venis halteribusque fulvis.*

Fem. Black, with testaceous tomentum. Head testaceous in front and beneath. Antennæ ferruginous, much shorter than the head. Scutellum with testaceous spines. Abdomen piceous, [illegible] testaceous towards the base; under side and legs testaceous. Wings limpid; veins and halteres tawny. Length of the body 4 lines: [illegible] the wings 8 lines.

a. Java. From the collection of the East India Company.

107. STRATIOMYS MINUTA.

Anthracina; caput album, guttis quatuor fasciaque verticali nigra; thorax aurario-hirtus; scutellum albo marginatum; abdomen fuscum, margine incisurisque stramineis; pedes albi, femoribus tibiisque posticis annulo nigro; alæ limpidæ.

Stratiomys minuta, *Fabr. Ent. Syst.* iv. 268, 22; *Syst. Antl.* [illegible] *Wied. Auss. Zweifl.* ii. 74, 23.

a. East Indies. From Mr. Saunders' collectton.

108. STRATIOMYS PUSILLA.

Nigra; scutellum bispinosum, albo marginatum; abdomen album; pedes albidi, tibiis posticis femoribusque basi nigro-fasciatis; alæ limpidæ.

Nemotelus pusillus, *Fabr. Ent. Syst.* iv. 271, 5; *Syst. Antl.* [illegible]
Stratiomys pusilla, *Weid. Auss. Zweifl.* ii. 75, 24.

Tranquebar.

New Holland.

109. STRATIOMYS AMYRIS.

Odontomyia Amyris, *Cat. of Diptera*, Pt. 3, 535.

110. STRATIOMYS IALEMUS.

Odontomyia Ialemus, *Cat. of Diptera*, Pt. 3, 533.

a. New Holland. Presented by R. Butler, Esq.

111. Stratiomys picea.

ontomyia picea, *Diptera Saundersiana*, Pt. 2, 78.

n Dieman's Land.

Abdomen violaceo-nigrum. - - - scutellata, *Macq.*
Abdomen nigrum. - - - - stricta, *Erichs.*
Abdomen nigro-fuscum, maculis duabus basalibus viridibus. - - - - Hunteri, *King.*
Abdomen pallidum vitta nigra.
A. Scutellum fulvum. - - - - - carinata, *Macq.*
B. Scutellum nigrum.
A. Thoracis latera nigra. - - - Regis Georgii, *Macq.*
B. Thoracis latera fulva. - - - - stylata, *Macq.*

112. Stratiomys scutellata.

Fœm. *Atra, nitida; scutellum flavum, spinis elongatis elevatis nigris; abdomen violaceo-nigrum, ventre viridi; alæ hyalinæ.*

dontomyia scutellata, *Macq. Dipt. Exot. Suppl.* i. 52, 19, pl. 5, f. 7.

asmania.

113. Stratiomys stricta.

Nigra, angustula, nitida; caput fasciola frontali orbitaque postica flavis; scutellum bispinosum; pedes testacei, femoribus basi tibiis annulo ante medium tarsisque apice nigris; pedes antici tibiis interne ad apicem usque tarsisque totis nigris; alæ hyalinæ, venis flavidis; halteres fuscescentes, capitulo flavido.

dontomyia stricta, *Erichson, Archiv. Naturg.* 1842, i. 272, 251.

iew Holland.

114. Stratiomys Hunteri.

Nigro-fusca, tomentosa; postscutellum flavum; abdomen maculis utrinque basim versus duabus viridibus, subtus viride; pedes flavi.

Stratiomys Hunteri, *King, Narrat. Survey Austral.* ii. 467, 181, *Wied. Auss. Zweifl.* ii. 77, 28.

New Holland.

115. Stratiomys carinata.

Nigra; scutellum fulvum; abdomen viride maris, *fulvum* fœminæ *vitta nigra recta; pedes fulvi: alæ hyalinæ.*

Odontomyia carinata, *Macq. Dipt. Exot. Suppl.* i. 52, 18.
Tasmania.

116. Stratiomys Regis Georgii.

Mas. *Nigra; abdomen viride, fascia dorsali nigra angusta.*

Odontomyia Regis Georgii, *Macq. Dipt. Exot.* i. 1, 186, 6.
King George's Port, New Holland.

117. Stratiomys stylata.

Nigra; antennæ subtus fulvæ, arista brevi; facies carinata; racis latera fulva; abdomen viride, vitta dorsali nigra; fulvi; alæ hyalinæ.

Odontomyia stylata, *Macq. Dipt. Exot. Suppl.* 2, 30, 23.
New Holland.

New Zealand.

118. Stratiomys dorsalis.

Odontomyia dorsalis, *White, Cat. of Diptera*, Pt. 3, 536.
a, b. Auckland, New Zealand. Presented by Col. Bolton.

119. Stratiomys fulviceps.

Fœm. *Nigra; caput fulvum, proboscide et antennis nigris; aurato-hirtus, lateribus pectoreque fulvis; scutellum testaceum; abdomen utrinque fulvum, subtus testaceum; pedes fulvi; alæ limpidæ, basi fuscescentes, venis fuscescentibus; halteres testacei.*

Stratiomys fulviceps, *White, MSS.*

em. Black. Head tawny. Proboscis and antennæ black.
ε clothed with gilded hairs, tawny along each side. Pectus
Scutellum testaceous. Abdomen tawny along each side,
ous beneath. Legs tawny. Wings limpid, tinged with
towards the base; veins brownish. Halteres testaceous.
ı of the body 4 lines; of the wings 8 lines.

120. Stratiomys chloris.

n. *Nigra; caput fulvum, vertice et antennis nigris; thoracis latera viridi vittata; pectus et scutellum fulva; abdomen utrinque et subtus viride; pedes fulvi; alæ limpidæ, basi subfuscescentes, venis fulvis; halteres virides.*

omyia chloris, *White, MSS.*

em. Black. Head tawny; vertex and antennæ black. Thorax
green stripe on each side. Pectus mostly tawny. Scutellum
Wings limpid, very slightly brownish at the base; veins
Halteres green. Length of the body 4 lines; of the wings
s.

ckland, New Zealand. Presented by Col. Bolton.

121. Stratiomys angusta.

ra, angusta, subtus albo-tomentosa; caput fulvum, vertice et faciei disco nigris; thoracis latera et pectus fulva; pedes nigricantes, tibiis anticis fulvis; alæ subcinereæ, basi fuscæ, venis nigris.

em. Body black, narrow, clothed beneath with white tomen-
Head tawny; vertex and disk of the face black. Thorax
each side and pectus tawny. Legs nearly black; fore tibiæ
Wings grayish, brown towards the base; veins black.
h of the body 3¾ lines; of the wings 7 lines.

ckland, New Zealand. Presented by Col. Bolton.

122. Stratiomys analis.

gra; thorax fusco-æneus, scutello bidentato; abdomen apice striga interrupta alba; alæ hyalinæ, basi nigræ.

Stratiomys analis, *Fabr. Syst. Antl.* 83, 21. *Wied. Aus. Zweif.* 76, 27.

Isles of the Pacific Ocean.

Country unknown.

123. Stratiomys Lutatius.

Odontomyia Lutatius, *Cat. of Diptera*, Pt. 3, 532.

124. Stratiomys excocta.

Odontomyia excocta, *Diptera Saundersiana*, Pt. 2, 78.

125. Stratiomys exul.

Odontomyia exul, *Diptera Saundersiana*, Pt. 2, 79.

126. Stratiomys fuscipennis.

Mas. *Nigra; abdomen viride, fascia nigra lata paullo sin alæ fascia longitrorsum fusca.*

Odontomyia fuscipennis, *Macq. Dipt. Exot.* i. 1, 190, 15.

Genus 12. ALLIOCERA.

Antennæ capitatæ.

Alliocera, *Saunders.*

This genus has all the characters of the first secto *Stratiomys* with the exception of the capitate antennæ. Medias vein ending at much beyond half the length of the wing. Subco and radial ending at very little beyond the mediastinal. F branch of the cubital straight, extremely short, ending at be half the length between the radial and the second branch ends at far in front of the tip of the wing. Four curved ex medial veins which are incomplete or do not reach the border. anal joining the anal at some little distance from the bo Discal veinlets forming one side of the pentagonal elongate

Median veinlet distinct, very short. Humeral, subcostal, tinal, radial, first cubital, second cubital, præbrachial, po- ıl, anal, axillary, subapical, and discal areolets complete, as ɔ the axillary and the subaxillary lobes. Subapical areolet ing the tip of the wing. Four incomplete externo-medial s.

1. Alliocera Græca.

ra; caput flavum, vertice nigro; thorax fulvo-pubescens; scutellum postice flavum, bispinosum; abdomen fasciis sex lateralibus abbreviatis arcuatis maculaque conica apicali flavis; pedes flavi, tibiis intermediis extus fusco vittatis; alæ vix subflavescentes, venis flavis.

ra Græca, *Saunders.*

Genus 13. CLITELLARIA.

ntennæ 9-articulatæ; articulus 1us et 2us æquales; flagellum atum; arista distincta, biarticulata. Scutellum bispinosum.

, p., *Schæffer; Herbst.; Schr.; Gmel.; Geoffr.*
mys, p., *Fabr.; Schr.; Panz.*
aria, *Meig. Zweifl.* iii. 119.
pium, *Latr.; Macq.*

Iediastinal vein ending at beyond half the length of the wing. stal ending at a little beyond the mediastinal. Radial ending -thirds of the length. First branch of the cubital straight, hort, ending at nearly two-thirds of the distance between the and the second branch which ends at much in front of the the wing. Four complete nearly straight externo-medial Subanal united to the anal at some distance from the . Discal veinlets forming one side of the oblong pentagonal . Median veinlet distinct. Humeral, subcostal, mediasti- dial, first cubital, second cubital, præbrachial, pobrachial, anal, y, subapical, discal, and four externo-medial veins complete, also the axillary and the subaxillary lobes. Subapical t occupying the tip of the wing.

1. Clitellaria Ephippium.

ra; thorax sanguineus, bispinosus; alæ ferrugineo-fuscæ.

Stratiomys Ephippium, *Fabr.*
Ephippium thoracicum, *Guér. Icon. Règne Anim. Ins.* pl. 98. f. 1; *Texte*, 544.
Clitellaria Ephippium, *Zeller, Isis*, 1842, 826, 9.

a, *b*. England. From Mr. Stephens' collection.

2. Clitellaria Dahlii.

Fœm. *Nigra, argenteo-pilosa; frons apud antennas albo bis-lata; antennæ capite paullo longiores; thorax nigro tri-tatus; abdomen cinereo-pubescens, apud incisuras pallidis; alæ cinereæ, stigmate rufescente.*

Clitellaria Dahlii, *Meig. Zweifl.* vi. 5.
Ephippium Dahlii, *Macq. Hist. Nat. Dipt.* i. 252.

Ragusa.

West Indies.

3. Clitellaria Anchialus.

Clitellaria Anchialus, *Cat. of Diptera*, Pt. 3, 522.

This species differs from the typical *C. ephippium* in the following characters. The first branch of the cubital vein ends at the distance between the radial and the second branch, and discal areolet is hexagonal.

4. Clitellaria chalybea.

Chalybea; antennæ nigræ; thorax vittis tribus, abdomen maculis duabus albo-pilosis; scutellum bispinosum; alæ limpidæ.

Clitellaria chalybea, *Wied. Anal. Ent.* 30, 36; *Auss. Zw.* 49, 4.

Isle St. Thomas.

South America.

5. Clitellaria Halala.

Clitellaria Halala, *Cat. of Diptera*, Pt. 3, 523.

his species and *C. Amenides* will form a sub-genus of *Clitellaria* ch may be thus characterized:—

Sub-genus. ARTEMITA.

Antennæ vix stylatæ. Thorax elongatus, antice angustatus. tellum spinis quatuor parvis armatum. Abdomen crassum, fere ndum, thorace latius et multo brevius.

Subanal vein united to the anal very near the border. Discal let hexagonal.

6. Clitellaria fenestrata.

Nigra; thorax vittis albidis; abdomen fasciis flavidis interruptis; tarsi basi fulvi; alæ fuscæ, areola discali hyalina.

hippium fenestrata, *Macq. Dipt. Exot. Suppl.* i. 54, 3.

rida, Yucatan.

7. Clitellaria unicolor.

Purpureo-cyanea; antennæ nigræ; alæ nigro-fuscæ; halteres virides.

Body and legs purplish blue. Eyes, antennæ and proboscis ack. Wings brownish black. Halteres apple-green. Length of e body 7 lines; of the wings 14 lines.

Ega, Amazon River. From Mr. Bates' collection.

Africa.

8. Clitellaria flavipes.

Nigra; antennæ incrassatæ; thorax aurario-hirtus; scutellum bispinosum; pedes ferrugínei; alæ fuscæ.

Clitellaria flavipes. *Wied. Auss. Zweifl.* ii. 47, 2.
Stratiomys flavipes, *Fabr. Suppl.* 555, 9; *Syst. Antl.* 80, 10.
Ephippium flavipes, *Macq. Dipt. Exot.* i. 1, 191, 1.

Algiers. Oran.

9. Clitellaria rufitarsis.

Mas. *Nigra, flavo-pilosa; genua tarsis rufæ; alæ subcinere*

Ephippium rufitarse, *Macq. Dipt. Exot.* i. 1, 192, 2.
Clitellaria flavipes, *Mas?*

Oran.

East Indies.

10. Clitellaria tenebrica.

Clitellaria tenebrica, *Cat. of Diptera*, Pt. 3, 522.

11. Clitellaria bivittata.

Nigra; thorax cinereo bivittatus, bispinosus; scutellum duabus elongatis; abdomen trifariam albo maculatum, nigro-fuscæ, basi hyalinæ.

Clitellaria bivittata, *Wied. Auss. Zweifl.* ii. 40, 1.
Stratiomys bivittata, *Fabr. Syst. Antl.* 79, 5.

Java. Sumatra.

12. Clitellaria heminopla.

Nigra; antennæ rufo-fuscæ; thorax flavido-hirtus; scutellum spinosum; abdomen albo varium; alæ subfuscescente-cinereæ.

Clitellaria heminopla, *Wied.*

13. Clitellaria angusta.

Fœm. *Cyaneo-nigra; frons basi albo-pilosa; thorax rufescens hirtus; abdomen subelongatum; alæ fuscæ.*

Ephippium angustum, *Macq. Hist. Nat. Dipt.* i. 252, 2.

Java.

14. Clitellaria varia.

Nigro-cyanea, argenteo-tomentosa; caput flavum; antennæ fulvæ, apice nigræ; thorax elongatus, antice angustatus et niger, fasciis tribus tomentosis, antica aurata, posterioribus argenteis; scutellum dentibus quatuor minimis; abdomen subsulcatum, apice truncatum, thorace multo brevius et latius; pedes nigri, genubus fulvis; alæ fuscæ, basi fere limpidæ, venis nigris; halteres lutei.

ale. Dark blue. Head yellow. Antennæ tawny, with ips. Thorax elongate, narrow and black in front, with three pted downy bands; first band broad, gilded; second and lvery, narrow. Scutellum and abdomen with silvery down, ner with four very minute teeth, the latter not longer than much shorter and broader than the thorax, with a slight lon- al furrow, truncated at the tip. Legs black; knees tawny. dark brown, nearly limpid towards the base and thence along the hind border; veins black. Halteres luteous. Length body 4 lines; of the wings 8 lines.

.. From the collection of the East India Company.

New Holland.

15. Clitellaria cuprea.

ria cuprea, *Cat. of Diptera*, Pt. 3, 524.

is species will form a sub-genus:—

Sub-genus. ANTISSA.

as. Antennæ capite multo breviores; flagellum conicum, revi crasso. Thorax brevis, latus. Scutellum spinis quatuor is. Abdomen rotundum, thorace multo latius non longius.

hird externo-medial vein incomplete. Subanal vein joining al at some little distance from the border. Discal areolet onal.

Country unknown.

16. Clitellaria Amenides.

aria Amenides, *Cat. of Diptera*, Pt. 3, 523.

17. Clitellaria rufa.

Clitellaria rufa, *Cat. of Diptera*, Pt. 3, 524.

Genus 14. PLATYNA.

Scutellum unispinosum. Abdomen transversum.

Platyna, *Wied. Anal. Ent.* 12; *Auss. Zweifl.* ii. 52; *Macq.*
Stratiomys, p., *Fabr.*

1. Platyna hastata.

Nigra; thorax aurarius; abdomen valde dilatatum; pedes femoribus basi nigris; alæ hyalinæ, fascia media abbre nigra.

Stratiomys hastata, *Fabr. Syst. Antl.* 84, 24.
Platyna hastata, *Wied. Anal. Ent.* 12, f. 2; *Auss. Zweifl.* ii. 51 pl. 8, f. 3, a, b, c. *Macq. Hist. Nat. Dipt.* i. 256, 1.

Guinea.

Genus 15. CYCLOGASTER.

Antennæ 9-articulatæ. Scutellum muticum. Abdomen culatum.

Stratiomys, p., *Fabr.*
Clitellaria, p., *Meig.*; *Wied.*
Cyclogaster, *Macq. Hist. Nat. Dipt.* i. 256.

Wings like those of *Clitellaria*.

Europe.

1. Cyclogaster villosa.

Nigra; thorax rufo-hirtus; abdomen utrinque strigis tribus ralibus albis; alæ fusco-flavidæ, ad costam obscure fuscæ.

Nemotelus villosus, *Fabr. Ent. Syst.* iv. 270, 2; *Syst. Antl.* *Panz. Faun. Germ.* lviii. 16. *Coqueb. Illustr.* 100, pl. 23.
Clitellaria villosa, *Meig. Zweifl.* iii. 120, 1; vii. 105.
Cyclogaster villosa, *Macq. Hist. Nat. Dipt.* i. 257, 1.

Germany. Hungary. Piedmont. Sicily. Morea.

2. Cyclogaster calva.

·a ; thorax cinereo-hirtus ; abdomen utrinque strigis tribus lateralibus albis ; alæ fusco-flavidæ, ad costam obscure fuscæ.

ıria calva, *Megerle ; Meig. Zweifl.* iii. 121, 2.

ı.

3. Cyclogaster pacifica.

·a ; thorax flavicante-hirtus ; abdomen maculis transversis flavis ; pedes flavidi, femoribus tibiisque nigro cinctis ; alæ flavescentes.

aria pacifica, *Hoffm. Meig. Zweifl.* iii. 121, 3.

ɣal.

South America.

4. Cyclogaster atrata.

hracina ; scutellum inerme ; tarsi albidi ; alæ nigro-fuscæ.

aria atrata, *Wied. Auss. Zweifl.* ii. 49, 5, pl. 7, f. 10.
ɔmys atrata, *Fabr. Syst. Antl.* 83, 23.
ɣaster atrata, *Macq. Hist. Nat. Dipt.* i. 257, 2.

Genus 16. XENOMORPHA.

Fæm. Caput parvum. Antennæ 7-articulatæ, breves; articuli t 2us breves, hic crassus; 3us minor; 4us, 5us, 6us, et 7us ıi, brevissimi, pubescentes; 7us apice obtusus. Ocelli distincti. llum muticum. Abdomen valde elongatum et attenuatum. elongati, graciles; tarsi longi.

Mediastinal vein ending at a little before half the length of the Subcostal ending at a little beyond the mediastinal. Radial g at a little before two-thirds of the length. Cubital not l, ending at some distance in front of the tip of the wing. , second and fourth externo-medial veins complete, third rudi-

mentary. Subanal vein united to the anal at some distance fr the border.

Xenomorpha, *Macq. Dipt. Exot.* i. 1, 193.

Discal veinlets forming two sides of the indistinctly heptag discal areolet. Median veinlet distinct. Humeral, subcostal, diastinal, radial, cubital, præbrachial, pobrachial, anal, axillary, apical, discal, and three externo-medial areolets complete. Ar lobe and subaxillary lobe incomplete. Subapical areolet occu the front of the tip of the wing.

1. Xenomorpha leptiformis.

Fœm. *Ferruginea; antennæ fulvæ, apice nigricantes; ala centes.*

Xenomorpha leptiformis, *Macq. Dipt. Exot.* i. 1, 193, 1, pl. 21
Rio Janeiro.

Genus 17. EUDMETA.

Antennæ 5-articulatæ, glabræ, elongatæ, lineares; articul brevis; arista brevis, villosa vel pubescens. Scutellum muti Abdomen elongatum. Pedes graciles, elongati. Alæ angust

Hermetia, p., *Fabr.*
Eudmeta, *Wied. Auss. Zweifl.* ii. 43; *Macq.*

Mediastinal vein ending at beyond half the length of the Subcostal and radial ending at before two-thirds of the le First branch of the cubital short, straight, ending at very litt fore two-thirds of the distance between the radial and the se branch. Four complete externo-medial veins. Subanal vei ing the anal at some little distance from the border. Median let short, distinct. Discal areolet indistinctly heptagonal, with primary sides, the fourth or apical one very short, and the other almost obsolete. Subapical areolet occupying the tip of the w

1. Eudmeta marginata.

Niger; thorax angulis, vittis scutelloque pomaceis; abdom cum, pomaceo limbatum; femora apice flava; alæ h apice fuscæ.

etia marginata, *Fabr.*

ndies. Java. Sumatra.

etia cingulalis (aut singularis), *Guér. Icon. Règne Anim. Ins.* l. 98, f. 1, *Texte*, 543.

a. From the East India Company's collection.

Genus 18. ACHROCHÆTA.

olor non metallicus. Facies declivis. Antennæ 9-articulatæ; um elongatum, attenuatum; arista setiformis. Scutellum um, non tuberculatum. Abdomen elongatum.

s, p., *Fabr.*
hæta, *Wied. Auss. Zweifl.* ii. 42; *Perty*; *Macq.*

Mediastinal, subcostal, and radial veins ending very near to- r at hardly beyond half the length of the wing. First branch e costal ending at beyond half the length between the radial he second branch which ends at a little in front of the tip of ing. First, second and fourth externo-medial veins complete, incomplete. Subanal vein united to the anal at some distance the border. Discal veinlets forming three sides of the hep- al discal areolet. Median veinlet distinct, slightly curved. eral, subcostal, mediastinal, radial, first cubital, second cubital, rachial, pobrachial, anal, axillary, subapical, discal, and two no-medial areolets complete. Two externo-medial areolets, ıry lobe, and subaxillary lobe incomplete. Subapical areolet ying the tip of the wing.

1. Achrochæta Echemon.

us Echemon, *Cat. of Diptera*, Pt. 3, 515.

Parà. From Mr. Bates' collection.

2. Achrochæta Haterius.

us Haterius, *Cat. of Diptera*, Pt. 3, 516.

3. Achrochæta tincta.

ysochlora tincta, *Diptera Saundersiana*, Pt. 2, 82.

4. Acrochæta plana.

Chrysochlora plana, *Diptera Saundersiana*, Pt. 2, 82.
Acrochæta Haterius, *Var.?*
Acrochæta elegans, *Var.?*

a. Colombia. From Mr. Saunders' collection.

5. Acrochæta elegans.

Fusca, subtus fusco-testacea; thorax vittis duabus lateribus flavidis; abdominis segmenta marginibus posticis flavido-ciatis; pedes testacei; alæ hyalinæ, antice fuscescentes.

Acrochæta elegans, *Perty, Del. Anim. Artic.* 184, pl. 36, f. 15.

Brazil.

a. South America. From Mr. Saunders' collection.

6. Acrochæta vespertilio.

Cerina; thorax nigro quinquevittatus; abdomen fusco fasciatum; alæ flavescentes, macula apicali fusca.

Sargus vespertilio, *Fabr.*

Brazil. Venezuela.

7. Acrochæta fasciata.

Flavida; antennæ nigro-fuscæ; thorax fusco vittatus; abdomen nigro-fuscum, flavido fasciatum; pedes flavescentes, femoribus posticis fusco strigatis; alæ flavescentes.

Acrochæta fasciata, *Wied. Auss. Zweifl.* ii. 42, pl. 9, f. 3. *Macq. Hist. Nat. Ins. Dipt.* i. 260, 1.

Brazil.

8. Acrochæta castanea.

Fœm. *Antennæ fusco-flavæ; thorax flavus, vittis quinque nigris; abdomen castaneum, fasciis tribus ventre pedibusque fuscis; alæ hyalinæ, ad costam subfuscæ.*

chlora castanea, *Macq. Dipt. Exot.* i. 1, 198, 2, pl. 25, f. 1.

ı.

Parà. From Mr. Bates' colllection.

9. Acrochæta longiseta.

ı. *Flava; antennæ luteæ, flagello sat brevi, arista longa; thoraxæ vittis tribus maculisque utrinque duabus lateralibus nigris; abdomen lutescens, fasciis dimidioque apicali fuscis; pedes lutescentes, antici flavi; alæ subcinereæ, ad costam fulvescentes, maculis duabus una costali altera subapicali fuscis.*

ellow. Antennæ luteous; flagellum much shorter than that :astanea; arista longer. Thorax with three black stripes and vo black spots on each side. Abdomen brown; bands towards se and under side pale luteous. Legs pale luteous; fore legs Wings slightly grayish; anterior half tawny, with a brown r the middle of the costa, and another near the tip. Length body 4—4½ lines; of the wings 10—12 lines.

Parà. From Mr. Bates' collection.

10. Acrochæta breviseta.

n. *Testacea; antennæ fulvæ, apice nigræ, flagello elongato, arista brevi; thorax vittis tribus et scutellum fascia nigris, abdomen fulvum; pedes testacei; alæ subcinereæ, apud discum sublimpidæ, costæ dimidio basali fulvescente, macula media costali fusca.*

'estaceous. Antennæ tawny; flagellum as long as that of *A.* ea and less tapering; arista not half the length. Thorax with black stripes, the side pair interrupted. Scutellum with a band. Abdomen tawny. Legs testaceous. Wings grayish, r limpid in the disk, tawny along the costa, especially towards ıse, with a brown spot between the costa and the discal areolet, ı is a little shorter than that of *A. longiseta* and much shorter that of *A. castanea*. Length of the body 4 lines; of the wings ıes.

Parà. From Mr. Bates' collection.

Genus 19. OXYCERA.

Antennæ 8-articulatæ; articuli 1us et 2us breves; flagellum fusiforme; articulus 7us brevis; 8us longus, stylatus. Scutellum bispinosum. Abdomen rotundatum.

Musca, p., *Linn.*; *Scopoli*; *Donov.*
Stratiomys, p., *Fabr.*; *Gmel.*; *Panz.*; *Fall.*
Oxycera, *Meig. Zweifl.* iii.; *Macq.*; *Curt.*; *Zett.*; *Stæg.*; *Loew.*

Mediastinal, subcostal and radial veins ending near together beyond half the length of the wing. First branch of the cubital very short, ending at beyond half the distance between the r. and the tip of the second, which ends at far in front of the tip of the wing. Four secondary, slender, and incomplete externo-medial veins. Subanal united to the anal near the border. Discal veins forming two sides of the hexagonal discal areolet. Median veins very short, but distinct. Humeral, subcostal, mediastinal, radial, first cubital, second cubital, præbrachial, pobrachial, anal, axillary, subapical, and discal areolets complete. Four externo-medial areolets, axillary lobe, and subaxillary lobe incomplete. Subapical areolet occupying the tip of the wing.

Europe.

1. Oxycera Meigenii.

Nigro flavoque varia, lunula humerali flava.

Stratiomys Hypoleon, *Fabr. Sp. Ins.* ii. 418, 20; *Ent. Syst.* iv. 3[illegible] 20; *Syst. Antl.* 85, 29. *Preyssler*, *Verz.* i. 81, 75. *Panz. Fa[illegible] Germ.* i. 14.

Oxycera Hypoleon, *Meig. Zweifl.* iii. 124, 1. *Macq. Dipt.* [illegible] *Strat.* 117, 1; *Hist. Nat. Dipt.* i. 250, 1. *Loew*, *Isis*, 1[illegible] 555, 1.

Oxycera Meigenii, *Stæg. Ent. Zeit.* v. 410, 2. *Loew*, *Dipt. Be[illegible]* ii. 1, pl. f. 1, 2. *Gimmerth. Bull. Soc. Imp. Nat. Mosc.* [illegible] 168, 1.

France. Germany. Denmark. Russia.

a. Interlacken, Switzerland. Presented by F. Walker, Esq.

2. Oxycera Falleni.

igro flavoque varia; pedes flavi, femoribus anticis basi nigris.

Hypoleon?? *Donov. Brit. Ins.* pl. 146, f. 2.
mys Hypoleon? *Gmel. ed. Syst. Nat.* v. 2835, 7.
mys Hypoleon, *Fall. Strat.* 10, 7.
ra Hypoleon, *Zett. Dipt. Scand.* i. 142, 1.
ra Falleni, *Stæger, Ent. Zeit.* v. 410, 3. *Loew, Dipt. Beitr.* 32, pl. f. 3, 4.

ny. Denmark. Sweden.

3. Oxycera rara.

ro flavoque varia; pedes flavi, femoribus omnibus late nigris; alæ hyalinæ.

rara, *Scopoli, Ent. Carn.* 339, 912.
. Hypoleon? *Donov. Brit. Ins.* pl. 146, f. 2.
ra Hypoleon, *Meig. Classif.* 137, 1, pl. 8, f. 3. *Stæg. Ent. 'eit.* v. 409, 1. *Gimmerth. Bull. Soc. Imp. Nat. Mosc.* 1847, 8, 2.
ra pulchella, *Meig. Zweifl.* iii. 125, 2. *Macq. Dipt. Nord. 'trat.* 118, 2; *Hist. Nat. Dipt.* i. 249, 2. *Loew, Dipt. Beitr.* 4, 3, pl. f. 5, 6.

e. Germany. Denmark. Russia.

England. From Mr. Stephens' collection.

4. Oxycera dives.

ro flavoque varia; pedes nigri.

omys Hypoleon? *Schr. Faun. Boic.* iii. 96, 2385.
ra dives, *Loew, Dipt. Beitr.* 15, 4, pl. f. 7, 8.

any.

5. Oxycera formosa.

gra; thorax lateribus scutelloque flavis; abdomen maculis lateralibus maris *duabus* fœminæ *tribus anoque flavis; pedes flavi; alæ limpidæ.*

Oxycera formosa, *Wied.*; *Meig. Zett. Dipt. Scand.* i. 115, 5.
a. England. From Mr. Stephens' collection.

6. Oxycera maculata.

Fœm. *Nigra; facies argenteo-micans; maculis capitis 6, a minis totidem, thoracisque 4, striisque dorsalibus 2 abbre scutelli fascia transversa lata spinisque flavis; pedes fla morum basi late, annuloque tibiarum nigricantibus.*

Oxycera maculata, *Zett. Ins. Lapp.* 576; *Dipt. Scand.* i. 145,
Sweden. Lapland.

7. Oxycera leonina.

Nigra; thorax linea laterali scutelloque flavis; abdomen apiceque flavum; pedes flavi, femoribus nigris; alæ limp

Stratiomys leonina, *Panz.*
Oxycera leonina, *Meig. Zweifl.* vii. 105, 8. *Loew, Isis.* 1840.

8. Oxycera muscaria.

Nigra; thorax maris *vitta laterali interrupta flava,* fœminæ *h nigro trivittatus; abdomen maculis lateralibus connexis fla pedes flavi; alæ limpidæ.*

Stratiomys muscaria, *Fabr.*

Var. *Nigra; thorax linea laterali straminea; abdomen pu margine stramineo; femora basi genuaque fulva; alæ limp costa fusca.*

Stratiomys pygmæa, *Fall.*
Oxycera pygmæa, *Zett. Dipt. Scand.* i. 115, 6.

9. Oxycera pardalina.

Nigra; thorax linea laterali straminea; abdomen maculis la lateralibus anoque stramineis; pedes fulvi; alæ limpide

Oxycera pardalina, *Meig. Zett. Dipt. Scand.* i. 143, 3.

10. Oxycera Morrisii.

a ; thorax interrupte albido bivittatus ; scutellum apice ochraceum ; abdomen flavo quinquemaculatum ; pedes flavi, tibiis posticis femoribusque plerumque nigris, tarsis nigris posterioribus basi albidis ; alæ limpidæ.

a Morrisii, *Curt. Brit. Ent.* x.

ngland. Presented by J. C. Dale, Esq.

11. Oxycera terminata.

a ; thorax linea laterali scutelloque flavis ; abdomen apice flavum ; pedes fulvi, femoribus posticis apice fuscis ; alæ limpidæ.

ra terminata, *Megerle ; Meig.*

12. Oxycera analis.

ra ; thorax linea laterali scutelloque flavis ; abdomen apice flavum ; pedes flavi, femoribus nigris ; alæ limpidæ, macula fusca.

ra analis, *Megerle ; Meig. Zweifl.* vii. 105, 10.

13. Oxycera longicornis.

ra, nitens ; antennæ capite longiores ; thorax vittis duabus lateralibus scutelloque flavis ; pedes picei, tibiis basi femoribusque fulvis ; alæ limpidæ.

era longicornis, *Haliday, MSS. Dale, Ann. Nat. Hist.* viii. 131.

England. Presented by J. C. Dale, Esq.

14. Oxycera nigricornis.

gra ; caput flavum, linea frontali nigra ; thorax lineis quatuor interruptis scutelloque flavis ; abdomen flavo marginatum ; pedes flavi ; alæ limpidæ, venis flavis.

Oxycera nigricornis, *Macq. Dipt. Nord.* 119, 4. *Meig. Zweifl.* 105, 11.

North France.

15. Oxycera nigra.

Nigra; thoracis latera flavo unilineata, puncto utrinque apud flavo; pedes metatarsis posticis genubusque flavis.

Oxycera nigra, *Macq. Hist. Nat. Dipt.* i. 251, 8. *Meig. Zweifl.* vii. 106, 13.

Bourdeaux.

16. Oxycera tenuicornis.

Fœm. *Nigra; antennæ articulo 3o quam in cæteris longiore graciliore; abdominis segmentum 4um flavo margine; tibiæ apices versus nigræ, posticæ omnino nigræ.*

Oxycera tenuicornis, *Macq. Hist. Nat. Dipt.* i. 251, 5. *Meig. Zweifl.* vii. 105, 12.

Bourdeaux.

17. Oxycera trilineata.

Viridis seu flavicans; thorax nigro trivittatus; abdomen fasciis nigris; alæ limpidæ.

Stratiomys trilineata, *Fabr.*
Oxycera trilineata, *Zett. Dipt. Scand.* i. 142, 2. *Loew, Isis,* 1844, 556, 3.

a—f. England. From Mr. Stephens' collection.

North America.

18. Oxycera variegata.

Fœm. *Flava; thorax vittis tribus et abdomen fasciis nigris.*

Oxycera variegata, *Oliv. MSS. Macq. Dipt. Exot.* i. 2, 191.
Oxycera trilineata, *Var.?*

Carolina.

19. OXYCERA MACULATA.

.. *Nigra; antennæ fusco-flavæ; thoracis lineæ, scutellum, et abdominis maculæ, pedesque flava; alæ hyalinæ.*

a maculata, *Oliv. MSS. Macq. Dipt. Exot.* i. 2, 190.

ıa.

West Indies.

20. OXYCERA LIBURNA.

:a Liburna, *Cat. of Diptera*, Pt. 3, 528.

21. OXYCERA METALLICA.

eo-viridis; antennæ nigræ; abdomen chalybeum; pedes chalybei, tarsis posticis basi albis; alæ hyalinæ, costa nigro-fusca.

ra metallica, *Wied. Auss. Zweifl.* ii. 60.

t. Thomas.

Genus 20. HOPLISTES.

Corpus angustum, lineare. Antennæ 7-articulatæ; flagellum :me; arista setiformis, dorsalis, longissima. Thorax pro- s. Scutellum bispinosum. Abdomen elongatum.

ıs, p., *Wied.*
stes, *Macq. Hist. Nat. Dipt.* i. 253.

Mediastinal vein ending at beyond one-third of the length of ving. Subcostal ending at before half the length. Radial ıg at a little beyond half the length. First branch of the al ending at much beyond half the length between the radial he second branch, which ends at a little in front of the tip of ving. Four incomplete externo-medial veins. Subanal vein d to the anal at some distance from the border. Discal vein- forming two sides of the hexagonal discal areolet. Median et distinct. Humeral, subcostal, mediastinal, radial, first al, second cubital, præbrachial, pobrachial, anal, axillary, sub- ıl. and discal areolets complete. Four externo-medial areolets,

axillary lobe and subaxillary incomplete. Subapical areolet occupying the tip of the wing.

1. Hoplistes bispinosus.

Niger; antennæ luteæ; thoracis vittæ duæ et scutellum flav. bispinosum; abdomen flavo marginatum; femora flava: tarsi albi; alæ limpidæ, costa fusca.

Sargus bispinosus, *Wied. Auss. Zweifl.* ii. 32, 8.
Hoplistes bispinosus, *Macq. Hist. Nat. Dipt.* i. 254, 1; *Dipt. Ex.* i. 1, 195, 1, pl. 23, f. 2.

Brazil.

2. Hoplistes pomaceus.

Niger; thorax vittis duabus, angulis scutelloque pomaceis; scutellum bispinosum; abdomen silaceo limbatum; femora ima, tarsi albi; alæ flavescentes.

Sargus hoplistes, *Wied. Auss. Zweifl.* ii. 30, 6.
Hoplistes pomaceus, *Macq. Hist. Nat. Dipt.* i. 254, 3.

Brazil.

3. Hoplistes hortulanus.

Niger; antennæ basi pallidæ; thoracis vittæ duæ, anguli et scutellum abdominisque margo et fasciæ flava vel pomaceæ; scutellum bispinosum; pedes flavi; alæ ad costam flavescentes.

Sargus hortulanus, *Wied. Auss. Zweifl.* ii. 32, 9.
Hoplistes hortulanus, *Macq. Hist. Nat. Dipt.* i. 254, 2.

Brazil.

Genus 21. DICRANOPHORA.

Antennæ 7-articulatæ; articulus 1us brevis; 2us cyathiform; 3us, 4us, 5us, et 6us brevissimi; 7us setiformis, terminalis, longissimus. Scutellum bispinosum. Abdomen elongatum. Femora intermedia spina angulata armata.

Sargus, p., *Wied.*
Dicranophora, *Macq. Hist. Nat. Dipt.* 255.

ſediastinal vein ending at before half the length of the wing. **stal** ending at a little beyond half the length. Radial ending **he** subcostal. First branch of the cubital short, ending at **beyond** half the length between the radial and the second **ı,** which ends at much in front of the tip of the wing. Four **complete** externo-medial veins. Subanal vein united to the **ar** from the border. Discal veinlets forming two sides of the **onal** discal areolet. Median veinlet short, distinct. Humeral, **stal,** mediastinal, radial, first cubital, second cubital, præbra- **pobrachial,** anal, axillary, subapical, and discal areolets com- **Four** nearly complete externo-medial areolets. Axillary lobe **ıbaxillary** lobe incomplete. Subapical areolet occupying the **the** wing.

1. Dicranophora furcifera.

ɟer, flavo pictus; antennæ flavæ; scutellum appendice longissimo apice furcato; pedes flavi, tibiis tarsisque anticis fuscis, tarsis posticis albis; alæ subflavescentes.

ıs **furcifer,** *Wied. Analecta Ent.* 31, 40, f. 10; *Auss. Zweifl.* i. 38, 20, pl. 7, f. 5.
nophora furcifera, *Macq. Hist. Nat. Dipt.* i. 255, 1; *Dipt. Exot.* i. 1, 195, 1. *Guér. Icon. Règne Anim. Ins.* pl. 98, f. 12, *Texte,* 545.
il.

2. Dicranophora picta.

ger; facies et frons fulvæ, hæc macula nigra; thorax humeris lineisque duabus dorsalibus scutellique dimidio postico flavis; abdominis segmentum 1um flavo marginatum; 3um, 4um et 5um lateribus flavis.

anophora picta, *Macq. Hist. Nat. Dipt.* i. 255, 2; *Dipt. Exot.* i. 1, 196, 2, pl. 24, f. 1.
:il.

Genus 22. RHAPHIOCERA.

Antennæ 9-articulatæ; flagellum subulatum; arista setiformis, issima. Scutellum bispinosum. Abdomen elongatum.

ɟus, p., *Wied.*
phiocera, *Macq. Hist. Nat. Dipt.* i. 253.

Mediastinal vein ending at beyond half the length of the wing. Subcostal ending at a little before two-thirds of the length. Radial ending at a little beyond two-thirds of the length First branch of the cubital short, ending at a little before half the length between the radial and the second branch, which ends at some distance in front of the tip of the wing. Four more or less incomplete externo-medial veins. Subanal vein united to the anal at a short distance from the border. Discal veinlets forming two sides of the hexagonal discal areolet. Median veinlet rather long. Humeral, subcostal, mediastinal, radial, first cubital, second cubital, præbrachial, postbrachial, anal, axillary, subapical, and discal areolets complete. First externo-medial areolets, axillary lobe, and subaxillary lobe incomplete. Subapical areolet occupying the tip of the wing.

1. Rhaphiocera armata.

Atra; thoracis vittæ angulique, scutellum, abdominisque maculæ transversæ viridia; scutellum bispinosum; tibiæ fulvæ: tarsi albidi; alæ costa et apice subcinereæ.

Sargus armatus, *Wied. Auss. Zweifl.* ii. 29, 5.
Rhaphiocera armata, *Macq. Hist. Nat. Dipt.* i. 253, 1; *Dipt. Exot.* i. 1, pl. 24, f. 2; *Suppl.* 1, 54.

Brazil.

2. Rhaphiocera Falleni.

Nigra; caput, thoracis vittæ duæ dorsales, maculæ duæ anteriores duæque posticæ, scutellum, abdominisque maculæ laterales viridia; pedes testacei, tibiis fuscis, tarsis albidis; alæ hyalinæ.

Sargus Falleni, *Perty, Delect. Anim. Artic.* 184, pl. 37, f. 1.

a. South America. From Mr. Saunders' collection.

3. Rhaphiocera ornata.

Fœm. *Nigra; thorax flavo varius; abdomen cærulescens; ventre violaceo-fuscæ.*

Rhaphiocera ornata, *Macq. Dipt. Exot. Suppl.* i. 55, 2, pl. 6, f. 1.

New Grenada. Temperate Region.

4. RHAPHIOCERA BIPARTITA.

Nigra ; thorax et abdomen viridi flavoque varia ; alæ an-
:ice hyalinæ, postice fuscæ.

ocera bipartita, *Macq. Dipt. Exot. Suppl.* i. 54, 1, pl. 6, f. 1.
›ia.

5. RHAPHIOCERA INERMIS.

'a ; antennæ flavæ ; thoracis vittæ, anguli, et scutellum abdo-
menque basi viridia ; abdomen fuscum, sulphurino limbatum ;
femora flava ; tarsi posteriores albi, apice nigro-fusci ; alæ
hyalinæ, ante apicem dilatatæ.

inermis, *Wied. Auss. Zweifl.* ii. 31, 7, pl. 7, f. 7.

6. RHAPHIOCERA ? SPINITHORAX.

ra ; thorax vittis duabus flavidis, spina utrinque armatus ;
abdomen nigro-cyaneum, lateribus maculisque dorsalibus albis ;
alæ fuscæ, costa basi hyalina, areolis quinque posticis.

ıiocera spinithorax, *Macq. Dipt. Exot. Suppl.* 3, 17, 3, pl. 1,
. 7.
laria ?

Genus 23. NEMOTELUS.

Epistoma porrectum, conicum. Antennæ 8-articulatæ; fla-
m fusiforme; arista longa. Scutellum inerme. Abdomen
ssum.

:a, p., *Linn.; Gmel.*
iomys, p., *Fabr.; Schr.*
otelus, *Geoffr. Ins.* ii.; *Fabr.; Meig.; Panz.; Latr.; Fall.;*
Macq.; Curt.; Zett.

Mediastinal and subcostal veins ending at hardly beyond half
ength of the wing. First branch of the cubital short, ending
ıuch beyond half the length between the subcostal and the

second branch, which ends at far in front of the tip of the wing. Four externo-medial veins secondary, but complete. Subanal vein joining the anal at some little distance from the border. Discal veinlets secondary, forming two sides of the more or less hexagonal discal areolet. Median veinlet obsolete or extremely short. Humeral, mediastinal, subcostal, first cubital, second cubital, prachial, pobrachial, anal, axillary, subapical, discal, and four externo-medial areolets complete. Axillary lobe and subaxillary lobe incomplete. Sabapical areolet in front of the tip of the wing.

Europe.

1. Nemotelus uliginosus.

Niger; thorax vitta laterali alba; abdomen maris *album macula nigra ante apicem,* fœminæ *nigrum margine punctisque albis, pedes albi, tibiis posticis femoribusque nigris; alæ limpidæ.*

Musca uliginosa, *Linn.*
Nemotelus uliginosus, *Zett. Dipt. Scand.* i. 146, 1. *Locr.* 1840, 554, 2.

a—f. England. From Mr. Stephens' collection.

Var.? Nemotelus paludosus, *Meig. Zweifl.* vi. 345, 8. *Niger, abdomen album, postice linea transversa interrupta nigra, ventre maculis lateralibus trigonis nigris.*

2. Nemotelus bifasciatus.

Niger; abdomen album, fasciis duabus posticis nigris.

Nemotelus uliginosus, *Var. Meig. Zweifl.* vi. 345.
Nemotelus bifasciatus, *Meig. Zweifl.* vii. 104, 9. *Zett. Dipt. Scand.* i. 148, 2.

3. Nemotelus pantherinus.

Niger; thorax immaculatus; abdomen maris *album macula nigra ante apicem,* fœminæ *nigrum margine punctisque albis, pedes albi, femoribus nigris; alæ limpidæ.*

Musca pantherina, *Linn.*

notelus pantherinus, *Zett. Dipt. Scand.* i. 150, 4. *Loew, Isis*, 1840, 554, 3.

f. England. From Mr. Stephens' collection.

4. Nemotelus nigritus.

œm. *Niger; abdomen apice albidum; pedes flavido-albi, femoribus tibiisque posticis apice nigris; alæ limpidæ.*

notelus nigritus, *Meig. Zweifl.* iii. 116, 3.

5. Nemotelus punctatus.

iger; abdomen margine seriebusque tribus punctorum flavicantium; pedes flavo-albidi, femoribus tibiisque posticis apice nigris; alæ limpidæ.

notelus punctatus, *Fabr. Ent. Syst.* iv. 271, 4; *Syst. Antl.* 88, 4. *Latr. Gen. Crust. et Ins.* iv. 277. *Coqueb. Illustr.* 101, pl. 23, f. 6. *Meig. Zweifl.* iii. 116, 4. *Macq. Hist. Nat. Dipt.* i. 266, 5.

nce. North Africa.

6. Nemotelus nigrinus.

Niger, nitidus; genua tarsique flavicantia; alæ limpidæ.

notelus nigrinus, *Fall. Stratiom.* b, 3. *Meig. Zweifl.* iii. 117, 5. *Zett. Ins. Lapp.* 575, 1; *Dipt. Scand.* i. 151, 5. *Loew, Isis*, 1840, 554, 1.

notelus nigritus, *Panz. Faun. Germ.* cvii. 17.

-f. England. From Mr. Stephens' collection.

7 Nemotelus brevirostris.

Niger, nitidus; caput antice brevissimum, obtusum; pedes albi; femoribus nigris; alæ limpidæ.

emotelus brevirostris, *Megerle; Meig. Zweifl.* iii. 117, 6. *Macq. Hist. Nat. Dipt.* i. 166, 6.

-f. England. From Mr. Stephens' collection.

8. Nemotelus frontalis.

Fœm. *Niger; genua, tibiæ, tarsi et halteres alba; alæ limpid*

Nemotelus frontalis, *Oliv. Enc. Méth.* viii. 184. *Macq. Hist. N*
i. 266, 4. *Meig. Zweifl.* vii. 105, 10.

France.

9. Nemotelus notatus.

Mas et Fœm. *Niger; facies breviuscula; frontis macula a racisque linea lateralis niveæ; abdomen supra in m album macula basali, puncto in medio fasciisque 2 apice nigris; in* fœmina *nigrum, margine, maculis dorsalibus tri incisurisque tenuiter, albis; ventre pallido, lateribus u maculato; pedes flavi, femoribus omnibus tibiarumque p carum medio nigris.*

Nemotelus notatus, *Stæger, MSS. Zett. Dipt. Scand.* i. 148,

Denmark.

Var.? Nemotelus ventralis, *Meig. Dipt.* vi. 345, 7. *Niger. rax vitta laterali alba; abdomen album, postice macula tata nigra, ventre maculis lateralibus nigris.*

North Africa.

10. Nemotelus Pica.

Niger, epistomate valde producto. Mas, *abdomen album, sup fasciis duabus, inferne fasciis iisdem maculisque magnis ralibus nigris.* Fœm. *Frons bilineata; abdomen nig albo marginatum, serie triplici punctatum.*

Nemotelus Pica, *Loew, Isis,* 1840, 554, 4. *Gimmerth. Bull. Imp. Nat. Mosc.* 1847, 167, 1.

Posen.

11. Nemotelus æreosus.

Fusco-æneus; abdomen nigrum, margine punctisque albo-fla centibus; alæ hyalinæ, venis costalibus flavescentibus.

lus ærosus, *Gimmerthal, Bull. Soc. Imp. Nat. Mosc.* 1847, ', 2.

North America.

12. NEMOTELUS CARNEUS.

lus carneus, *Cat. of Diptera*, Pt. 3, 521.

13. NEMOTELUS PALLIPES.

r; *abdomen chalybescens; pedes lutei, femoribus posticis nigricantibus; alæ limpidæ.*

elus pallipes, *Say, Journ. Philad. Acad.* iii. 29. *Wied. Auss. veifl.* ii. 45, 2.

lvania.

South America.

14. NEMOTELUS SINGULARIS.

aceus; antennæ sub apice rostri insertæ; thorax postice et abdomen apud marginem viridia; tibiæ basi femora antica fulva; tarsi albido-flavi; alæ cinereæ.

elus singularis, *Macq. Dipt. Exot. Suppl.* i. 57, 2, pl. 6, f. 4.

bia.

Africa.

15. NEMOTELUS CAPENSIS.

elus Capensis, *Diptera Saundersiana*, Pt. 2, 80.

16. NEMOTELUS LONGIROSTRIS.

r; *caput antice valde productum, proboscide elongato-porrecta; abdomen flavo notatum; tarsi flavi; alæ subflavescentes.*

lus longirostris, *Wied. Anal. Ent.* 30, 38; *Auss. Zweifl.* ii. 1, pl. 7, f. 8. *Macq. Hist. Nat. Dipt.* i. 267, 8.

17. NEMOTELUS NILOTICUS.

Mas. *Niger; abdomen albidum, basi macula nigra; pedes fu-
femoribus basi nigris; alæ hyalinæ.*

Nemotelus niloticus, *Olivier, MSS. Macq. Dipt. Exot.* i. 1, 2[illegible]
pl. 25, f. 3; i. 2, 191.

Egypt.

Country unknown.

18. NEMOTELUS ADVENA.

Nemotelus advena, *Diptera Saundersiana*, Pt. 2, 80.

Genus 24. BIASTES.

Biastes, *Diptera Saundersiana*, Pt. 2, 80.

1. BIASTES INDICUS.

Biastes Indicus, *Diptera Saundersiana*, Pt. 2, 81.

a. East Indies. From Mr. Saunders' collection.

Genus 25. METABASIS.

Metabasis, *Diptera Saundersiana*, Pt. 2, 81.

1. METABASIS ROSTRATUS.

Metabasis rostratus, *Diptera Saundersiana*, Pt. 2, 81.

Brazil.

Genus 26. BASENTIDEMA.

Corpus longum, lineare. Facies declivis. Antennæ 7-ar[illegible]
latæ; articulus 1us conicus; 2us cyathiformis; 3us, 4us, 5us, [illegible]
brevissimi, flagellum rotundatum fingentes; 7us setiformis, [illegible]
sima, terminalis. Scutellum muticum, bituberculatum. Abd[illegible]
elongatum. Tibiæ posticæ subindentatæ.

Basentidema, *Macq. Dipt. Exot.* i. 1, 197.

Mediastinal vein ending at about half the length of the wing. costal ending at a little beyond the mediastinal. Radial ending ather before two-thirds of the length. First branch of the cubi- short, ending at much beyond half the length between the radial the second branch, which ends at a little in front of the tip of wing. Four incomplete externo-medial veins. Subanal vein ed to the anal at some distance from the border. Discal vein- forming two sides of the hexagonal discal areolet. Median ilet extremely short. Humeral, subcostal, mediastinal, radial, cubital, second cubital, præbrachial, pobrachial, anal, axillary, apical, and discal areolets complete. Four externo-medial areo- , axillary lobe, and subaxillary lobe incomplete. Subapical olet occupying the tip of the wing.

1. Basentidema syrphoides.

œm. *Nigra; antennæ basi, thoracis vittæ duæ, abdominis maculæ laterales pedesque fulva; alæ subflavæ.*

sentidema syrphoides, *Macq. Dipt. Exot.* i. 1, 197, 1, pl. 24, f. 3.

azil.

Genus 27. CHRYSOCHLORA.

Color metallicus. Antennæ 7-articulatæ; articulus 1us elon- itus; flagellum attenuatum; arista elongata setiformis. Abdomen ongatum.

irgus, p., *Fabr.; Wied.*
hrysochlora, *Latr. Règne Anim.* v. 486; *Macq.*

Mediastinal vein ending at beyond half the length of the wing. ubcostal and radial veins ending at about two-thirds of the length. irst branch of the cubital straight, very short, ending at much be- ond half the length between the radial and the second branch, hich is at some distance in front of the tip of the wing. First, econd, and fourth externo-medial veins complete; third incom- lete. Subanal vein united to the anal far from the border. Median einlet short, distinct. Discal areolet hexagonal.

South America.

1. Chrysochlora hirticornis.

Nigra; caput, antennæ, scutellum, abdomen basi vittaque pedes lutea; alæ nigro-fuscæ.

Sargus hirticornis, *Wied. Auss. Zweift.* ii. 28, 3.
Chrysochlora hirticornis, *Macq. Hist. Nat. Dipt.* i. 258, 3. *Icon. Règne Anim. Ins.* pl. 98, f. 10, *Texte*, 545.

Brazil.

Asia.

2. Chrysochlora amethystina.

Violacea; antennæ nigræ; pedes nigro-picei, tibiis anticis taceis; alæ fuscæ.

Sargus amethystinus, *Fabr.*
Chrysochlora amethystinus, *Macq. Dipt. Exot.* i. 1, 198, 1.

Country unknown.

3. Chrysochlora Andreas.

Chrysochlora Andreas, *Cat. of Diptera*, Pt. 3, 515.

4. Chrysochlora annulipes.

Chrysochlora annulipes, *Cat. of Diptera*, Pt. 3, 515.

Genus 28. CACOSIS.

Cacosis, *Diptera Saundersiana*, Pt. 2, 83.

1. Cacosis nigra.

Nigra; anus ferrugineus; pedes albi, femoribus nigris; nigro-fuscæ.

gus niger, *Wied. Zool. Mag.* iii. 52, 17; *Aus. Zweifl.* ii. 28, 2.

Brazil. From Mr. Saunders' collection.

Genus 29. SARGUS.

Corpus elongatum. Facies declivis. Antennæ 9-articulatæ; ellum suborbiculare; arista setiformis, subterminalis. Scutel- inerme.

isca, p., *Linn.*; *Scopoli*; *Fabr.*; *Gmel.*; *Geoffr.*; *Schr.*
motelus, p., *Deg.*
agio, p., *Schr.*
rgus, p., *Fabr.*; *Meig.*; *Latr.*; *Fall.*; *Macq.*; *Zett.*

Mediastinal vein ending at about half the length of the wing. bcostal ending before two-thirds of the length. Radial ending ond two-thirds of the length. First branch of the cubital ending hardly half the length from the radial to the second branch, ich ends at some little distance from the tip of the wing. First, ond, and fourth externo-medial veins complete; third not reach- g the border. Subanal united to the anal at a short distance from e border. Discal veinlets forming two sides of the pentagonal dis- l areolet. Median veinlet distinct, very short. Humeral, subcostal, ediastinal, radial, first cubital, second cubital, præbrachial, pobra- ial, anal, axillary, subapical, discal, and two externo-medial eolets complete. Two externo-medial areolets, axillary lobe, and baxillary lobe incomplete. Subapical areolet occupying the tip the wing.

Europe.

1. Sargus cuprarius.

Æneus; oculi fascia purpurea; abdomen cupreum, postice violaceum; pedes fusci, femoribus nigris; alæ nubecula fusca.

usca cupraria, *Linn.*
argus cuprarius, *Duméril, Cons. Gen. Ins.* pl. 50, f. 8. *Zett. Dipt. Scand.* i. 157, 1. *Loew, Isis*, 553, 1. Var. *robustus et gracilis.*

–*f.* England. From Mr. Stephens' collection.

2. Sargus cæruleicollis.

Cæruleus; abdomen æneum; pedes fusci, genubus tarsisque flav. alæ macula fusca.

Sargus cæruleicollis, *Megerle; Meig. Zweifl.* iii. 107, 2.
Sargus cuprarius, var.?

3. Sargus iridatus.

Æneus; antennæ maris *fuscæ*, fœminæ *fulvæ; oculi fasciis purea; abdomen* maris *cupreum*, fœminæ *violaceum; pedes obscure fusci; alæ infuscatæ.*

Musca iridata, *Scopoli, Ent. Carn.* 340, 914.
Musca cuprarius, *Linn.* (In Linn. Coll.)
Sargus infuscatus, *Hoffm.; Meig. Dipt. Scand.* i. 158, 3.

a—f. England. From Mr. Stephens' collection.
g. France. Presented through M. Becker.

4. Sargus nubeculosus.

Æneus; antennæ maris *fuscæ*, fœminæ *fulvæ; oculi* [illegible] *abdomen* maris *cupreum*, fœminæ *violaceum; pedes* [illegible] *alæ infuscatæ.*

Sargus nitidus, *Meig. Zweifl.* iii. 108, 4. *Macq. Hist. Nat.* [illegible] i. 261, 3. *Zett Dipt. Scand.* i. 159, 6. *Loew, Isis.* [illegible] 553, 4.
Sargus nubeculosus, *Zett. Dipt. Scand.* i. 157, 2.

a—f. England. From Mr. Stephens' collection.

5. Sargus nigripes.

Mas. *Aureo-viridis; antennæ pedesque nigra; abdomen cup[illegible] posterius concolor; alæ fusco-hyalinæ; halteres albidi; [illegible] culis omnibus summis metatarsisque posticis, flavescenti[illegible]*

Sargus nigripes, *Zett. Dipt. Scand.* i. 159, 5.
Sweden.

6. Sargus flavipes.

Aureo-viridis; caput apud antennæ albo bipunctatum; antennæ fuscæ; abdomen maris *cupreum,* fœminæ *violaceum; pedes flavi; femoribus nonnunquam fuscescentibus; alæ rufo-fuscæ.*

gus flavipes, *Meig. Fall. Dipt. Suec. Suppl.* 9, 43. *Meig. Zweifl.* vi. 311. *Zett. Dipt. Scand.* i. 158, 4.

e. England. From Mr. Stephens' collection.

7. Sargus bipunctatus.

Aureo-viridis; caput nigrum, albo bipunctatum; antennæ nigro-fuscæ; abdomen maris *cupreum,* fœminæ *chalybeum basi macula laterali sanguinea; pedes flavi; alæ rufo-fuscæ.*

isca bipunctata, *Scopoli, Ent. Carn.* 341, 916.

:gus Reaumuri, *Fabr. Guér. Icon. Règne Anim. Ins.* pl. 98, f. 9, *Texte,* 545.

-*f.* England. From Mr. Stephens' collection.

8. Sargus sulphureus.

Aureo-viridis; caput nigrum, punctis duabus albis; abdomen sulphureum; pedes flavi; alæ limpidæ; halteres flavi.

ırgus sulphureus, *Meig. Zweifl.* iii. 109, 7.

rance?

North America.

9. Sargus debilis.

argus debilis, *Diptera Saundersiana,* Pt. 2, 83.

10. Sargus decorus.

Æneus; antennæ flavæ, supra nigro-fuscæ; abdomen viridi-aureum; pedes lutei; alæ fuscescente-flavæ.

Sargus decorus, *Say*, *Long's Exped. Append.* 376, 1. *Wied. Aus. Zweifl.* ii. 38, 19.

Pennsylvania. East Florida.

a—c. Trenton Falls, New York. Presented by E. Double, Esq.

11. SARGUS PALLIPES.

Fusco-niger; antennæ, abdominis discus pedesque flava; tibiæ anticæ medio tarsique antici fusca; alæ subcinereæ, basi tam fuscæ.

Sargus pallipes, *Say; Wied. Auss. Zweifl.* ii. 41, 27.

Pennsylvania.

Mexico.

12. SARGUS NIGRIFEMORATUS.

Mas. *Violaceo-viridis; antennæ basi fulvæ; pedes flavi, femoribus posticis nigris basi flavidis, femoribus intermediis tamque posticis apice nigris; alæ subfuscescentes.*

Sargus nigrifemoratus, *Macq. Dipt. Exot. Suppl.* ii. 31, 10.

13. SARGUS? TRIVITTATUS.

Viridis, non metallicus; antennæ apice flavæ; thorax vittis latissimis rufo-fuscis; abdominis segmenta fusco-fo

Sargus trivittatus, *Say, Journ. Acad. Nat. Sci. Philad.* vi. 1

West Indies.

14. SARGUS ALCHIDAS.

Sargus Alchidas, *Cat. of Diptera*, Pt. 3, 517.

15. SARGUS BAGOSAS.

Sargus Bagosas, *Cat. of Diptera*, Pt. 3, 518.

16. SARGUS LATERALIS.

Mas. *Cyaneo-viridis; caput, antennæ, thoracis latera et fulva; vertex cyaneo-viridis; ocelli vertice inserti, cyanomati; pectus aureo-viride; abdomen aureo-cupreum, micans; alæ fuscescentes.*

lateralis, *Macq. Hist. Nat. Dipt.* i. 262.

South America.

ɔrax metallicus.
Abdomen metallicum.
Alæ limpidæ. - - - - Brasiliensis, *Wied.*
Alæ subflavescentes.
a. Femora tibiæque postica fusca. - notatus, *Wied.*
b. Femora tibiæque postica apice fusca. stamineus, *Fabr.*
c. Pedes nigro-cincti. - - - speciosus, *Macq.*
Alæ subfuscæ.
a. Abdomen petiolatum. - - - coarctatus, *Macq.*
b. Abdomen non petiolatum. - - thoracicus, *Macq.*
. Alæ nigricantes. - - - - clavatus, *Walk.*
Abdomen non metallicum.
. Abdomen nigrum, basi subtus fulvum. - jucundus, *Walk.*
. Abdomen fuscum, flavo-fasciatum. - fasciatus, *Fabr.*
. Abdomen flavum. - - - - - bicolor, *Wied.*
ɔorax niger.
Thorax non vittatus. - - - - obscurus, *Wied.*
Thorax quadrivittatus. - - - petiolatus, *Macq.*
Thorax pallidus.
.. Tibiæ posticæ nigræ. - - - - testaceus, *Fabr.*
ı. Tibiæ posticæ fuscæ. - - - tæniatus, *Wied.*

17. Sargus Brasiliensis.

neus ; antennæ fuscæ ; abdomen chalybeum ; pedes flavi ; alæ limpidæ.

ıs Brasiliensis, *Wied. Auss. Zweifl.* ii. 37, 18.

il.

18. Sargus notatus.

neus ; antennæ flavæ ; abdomen purpurascens, segmento 2o flavido ; pedes flavi, femoribus apice nigro-fuscis, femoribus tibiisque posticis fuscis ; alæ subflavescentes.

ıs notatus, *Wied. Auss. Zweifl.* ii. 34, 13.

il.

19. Sargus stamineus.

Chalybeo-æneus; antennæ flavæ; abdomen purpurascente-nigro flavo fasciatum; pedes flavi, femoribus tibiis tarsisque posticis, apice fuscis; alæ subflavescentes.

Scæva staminea, *Fabr.*

20. Sargus speciosus.

Fœm. *Violaceus; antennis testaceis, pedibus fulvis, femoribus posterioribus tibiisque posticis nigro cinctis; tibiis basi albidis; tarsis posticis nigricantibus, basi albis; alis flavescentibus.*

Sargus speciosus, *Macq. Dipt. Exot. Suppl.* i. 56, 9.

Merida, Yucatan.

21. Sargus coarctatus.

Fœm. *Viridis, nitens; antennæ fulvæ; abdomen petiolatum maculis albis; pedes antici fulvi; postici nigri, metatarsis albidis; alæ subfuscæ.*

Sargus coarctatus, *Macq. Dipt. Exot.* i. 1, 203, 6, pl. 25, f. 2

Brazil, or Chili.

22. Sargus thoracicus.

Violaceus; thorax fulvus, lateribus pectoreque nigris, maculis alas fulva, scutello aurato-viridi; abdominis segmentum secundum macula flavescente-hyalina; pedes antici flavescentes, femoribus apice tibiisque basi nigricantibus; posteriores nigricantes tarsis basi albidis; alæ subfuscescentes.

Sargus thoracicus, *Macq. Hist. Nat. Dipt.* i. 261, 5.

South America.

23. Sargus clavatus.

las. *Aureo-viridis; proboscis testacea; antennæ ferrugineæ; thorax fulvo-pubescens; abdomen cupreum obclavatum, lateribus pubescentibus; pedes lutei, femoribus tibiisque posticis apice fuscis; alæ nigricantes.*

Male. Golden-green. Proboscis testaceous. Antennæ ferru-
ous. Thorax with tawny down. Abdomen cupreous, very slen-
and almost cylindrical for nearly half the length from the base,
ening much from thence to the tip. Legs tawny; hind femora
hind tibiæ brown towards the tips. Wings blackish. Halteres
ny, brown towards the tips. Length of the body 5 lines; of
wings 10 lines.

Parà. From Mr. Bates' collection.

24. Sargus jucundus.

Cyaneo-purpureus; caput subtus, antennæ et pectus fulva; abdomen nigrum, basi subtus fulvum; pedes flavi, femoribus posticis piceis; alæ cinereæ, fusco variæ.

rgus jucundus, *Walk. Zool.* viii. *Append.* xcvi.

Parà. From Mr. Bates' collection.

25. Sargus fasciatus.

Æneus; antennæ flavescentes; scutellum apice flavescens; abdomen fuscum, flavo fasciatum; pedes fulvi; alæ subcinereæ.

argus fasciatus, *Fabr. Syst. Antl.* 259, 15. *Wied. Auss. Zweifl.* ii. 33, 10.

razil.

26. Sargus bicolor.

Viridi-aureus; antennæ, abdomen et pedes flava; alæ limpidæ.

argus bicolor, *Wied. Auss. Zweifl.* ii. 481, 28.

Porto Rico.

27. Sargus obscurus.

Niger; antennæ fuscæ, apice flavæ; scutellum margine fl[illegible] abdomen macula basilari incisurisque albidis; pedes [illegible] alæ flavidæ.

Sargus obscurus, *Weid. Auss. Zweifl.* ii. 35, 14.

Brazil.

28. Sargus petiolatus.

Fœm. *Niger; antennæ fulvæ; thorax flavo quadrivittatus; [illegible] dominis fasciæ fulvæ; pedes fulvi; femoribus posticis [illegible] nigris; alæ flavescentes ad costam fulvæ.*

Sargus petiolatus, *Macq. Dipt. Exot.* i. 1, 202, 4.

Brazil.

29. Sargus testaceus.

Coriaceus; abdomen fasciis fuscis; tibiæ posticæ nigre[illegible] flavescentes.

Sargus testaceus, *Fabr.*

Brazil. Guiana. Merida, Yucatan.

30. Sargus tæniatus.

Melleus; antennæ fulvæ; abdomen fuscum, incisuris utrin[illegible] dilatate flavidis; tibiæ posticæ fuscæ; alæ flavescentes.

Sargus tæniatus, *Wied. Auss. Zweifl.* ii. 37, 17.

Brazil.

Africa.

31. Sargus posticus.

Coriaceus; tibiæ tarsique postici basi nigra; alæ subcinere[illegible].

Sargus posticus, *Wied. Auss. Zweifl.* ii. 34, 12.

Cape.

a. Port Natal. From M. Gueinzius' collection.

32. SARGUS RUFICORNIS.

Viridis; antennæ rufæ; abdomen cupreum; pedes flavi, ırsis apice nigris; alæ subflavescentes.

uficornis, *Macq. Dipt. Exot. Suppl.* i. 55, 8.

ı.

Madagascar.

33. SARGUS LIMBATUS.

. *Violaceus; antennæ nigræ, basi virides; thorax testaceo ›ivittatus; abdomen albo limbatum; alæ nigro-fuscæ.*

limbatus, *Macq. Dipt. Exot.* i. 1, 201, 2.

34. SARGUS PALLIDUS.

de flavus; antennæ fulvæ; thorax macula nigro-cyanea; abdomen maculis dorsalibus nigris; pedes ferruginei, tarsis posticis nigro-fuscis; alæ subflavæ. Long. 5½ lin.

pallidus, *Macq. Dipt. Exot.* i. 1, 202, 3.

35. SARGUS FLAVIPENNIS.

. *Ferrugineus; alæ flavæ.*

flavipennis, *Macq. Dipt. Exot.* i. 1, 200, 1.

Asia.

36. SARGUS GEMMIFER.

ı gemmifer, *Cat. of Diptera*, Pt. 3, 516.

37. SARGUS TENEBRIFER.

ı tenebrifer, *Cat. of Diptera*, Pt. 3, 517.

38. Sargus metallinus.

Viridi-æneus; antennæ luteæ; abdomen flavido-æneum; [illegible] flavi; alæ subflavescentes.

Sargus metallinus, *Fabr.*

East Indies. Java.

39. Sargus longipennis.

Obscure æneus; antennæ luteæ; scutellum apice ferrugi[illegible] abdomen ferrugineo fasciatum; pedes lutei, postici tibiis fuscis tarsisque albis; alæ flavescentes, apice nigro-fusc[illegible]

Sargus longipennis, *Wied. Analecta Ent.* 31, 39; *Auss. Z[illegible]* 34, 11.

Java.

40. Sargus auriferus.

Mas et Fœm. *Ferrugineo-fulvus, subtus testaceus; thora[illegible] tribus nigricantibus non bene determinatis; abdomen abbreviatis nigricantibus; tibiæ posticæ* maris *fusco fa[illegible] alæ luteæ apice fuscæ.*

Tawny, testaceous beneath. Disk of the thorax slightly [illegible]ginous, with three short indistinct blackish stripes. Abdomen [illegible] short black dorsal bands, ferruginous above in the male. [illegible] tibiæ of the male with a brown band. Wings luteous, with [illegible] tips. Length of the body 7—7½ lines; of the wings 15—1[illegible]

This species differs much from *S. cuprarius* in the struc[illegible] the wing-veins. The third submarginal vein is more com[illegible] subanal joins the anal nearer the border, the discal areolet is [illegible] the middle of the wing and is distinctly hexagonal, the [illegible] veinlet is longer, and the veinlet in front of it is much m[illegible] tinct.

a. Hindostan. From Mr. Saunders' collection.
b. North China. From Mr. Cuming's collection.

Country unknown.

40. SARGUS ANALIS.

ı. *Violaceus; antennæ cinereo-fuscæ, basi nigræ; thoracis latera, pectus, abdomen apice et subtus pedesque anteriores fulva; pedes postici nigri; alæ subhyalinæ.*

analis, *Macq. Dipt. Exot.* i. 1, 204, 7.

Genus 30. CHRYSOMYIA.

orpus vix elongatum. Epistoma declive. Antennæ 7-articu- flagellum ellipticum; arista setiformis, terminalis. Scutellum :.

:elus, p., *Deg.*
, p., *Fabr.; Schr.*
o, p., *Schr.*
s, p., *Fabr.; Meig.; Fall.; Curt.*
omyia, *Macq. Dipt. Nord.* i. 262; *Zett.*
omyia, *Duncan.*

Iediastinal vein ending at hardly beyond half the length of ing. Subcostal ending at before two-thirds of the length. l ending at beyond two-thirds of the length. First branch of ibital short, ending at a little beyond half the length between adial and the second branch, which ends at some distance in of the tip of the wing. First, second, and fourth externo- l veins complete; third not reaching the border. Subanal l to the anal near the border. Discal veinlets forming two of the hexagonal discal areolet. Median veinlet distinct but short. Humeral, subcostal, mediastinal, radial, first cubital, d cubital, præbrachial, pobrachial, anal, axillary, subapical, , and two externo-medial areolets complete. Two externo- l areolets, axillary lobe and subaxillary lobe incomplete. pical areolet occupying the tip of the wing.

1. CHRYSOMYIA FORMOSA.

reo-viridis fulvo-hirta; barba pallida; antennæ nigro-fuscæ; oculi fascia purpurea; abdomen maris *aureum*, fœminæ *violaceum; pedes fusci; alæ ferrugineæ.*

Musca formosa, *Schrank.*
Chrysomyia formosa, *Zett. Dipt. Scand.* i. 154, 1; viii. 2962.
Loew, Isis, 1840, 5.

a—f. England. From Mr. Stephens' collection.

Var. Fœm. *Viridis; thorax violaceo micans; abdomen nu[illegible] dorsalibus cupreis, violaceo marginatis; genua et tarsi fla[illegible]*

Chrysomyia speciosa, *Macq. Hist. Nat. Dipt.* i. 263, 2.
Sargus speciosus, *Meig. Zweifl.* vii. 104, 12.

Bologna.

2. CHRYSOMYIA AZUREUS.

Cyanea, aureo-tomentosa; barba pallida; alæ pallide fuscæ, [illegible] venosæ.

Sargus azureus, *Loew, Isis*, 1840, 554, 7. *Zeller, Isis*, 1842, [illegible]

Posen.

3. CHRYSOMYIA MELAMPOGON.

Cyanea; barba nigra; abdomen orichalceum; alæ nigri[illegible] fusco venosæ.

Sargus melampogon, *Zeller, Isis*, 1842, 825, 8.

Hungary.

4. CHRYSOMYIA POLITA.

Aureo-viridis; oculi unicolores; antennæ fuscæ; abdomen [illegible] viride, fœminæ *cyanescens; pedes flavi; tibiis posteri[illegible] nonnunquam femoribusque fuscis; alæ limpidæ.*

Musca politus, *Linn.*
Chrysomyia polita, *Zett. Dipt. Scand.* i. 155, 2; viii. 2962, 2.
Sargus polita, *Loew, Isis*, 1840, 554, 8.

a—f. England. From Mr. Stephens' collection.

5. CHRYSOMYIA PALLIPES.

Viridis; antennæ fuscæ, basi fulvæ; thoracis latera flavo [illegible] pedes fulvi, femoribus posterioribus nigris, tibiis posteri[illegible] fuscis; alæ limpidæ.

Sargus politus, *Var., Fall.*
Sargus pallipes, *Meig. Zweifl.* vi. 311, 31.

›myia pallipes, *Zett. Dipt. Scand.* i. 155, 3 ; viii. 2962, 3.
England. From Mr. Stephens' collection.

6. CHRYSOMYIA FLAVICORNIS.

eo-viridis; antennæ flavæ; abdomen auratum; pedes flavi, tibiis posticis apice femoribusque posticis fuscis; alæ limpidæ.

; flavicornis, *Meig.*

England. From Mr. Stephens' collection.

7. CHRYSOMYIA CYANEIVENTRIS.

eo-viridis; fœm. *frons violacea; antennæ, halteres et pedes flava; abdomen violaceum; femora postica late nigro cincta; alæ subinfuscatæ.*

›myia cyaneiventris, *Zett. Dipt. Scand.* i. 156, 4 ; viii. 2962, 4.

d. Sweden.

North America.

8. CHRYSOMYIA VIRIDIS.

ieus aut chalybeus; antennæ nigræ; abdomen æneescens; tarsi nigri; alæ subcinereæ.

s viridis, *Say.*

9. CHRYSOMYIA XANTHOPUS.

ieus; antennæ flavæ; abdomen viridi-aureum; pedes flavi; alæ hyalinæ.

s xanthopus, *Wied. Auss. Zweifl.* ii. 40, 23.

ylvania.

South America.

10. CHRYSOMYIA MACULA.

neus; antennæ fulvæ; abdomen chalybeum, macula testacea; pedes flavi; alæ hyalinæ.

is macula, *Fabr. Syst. Antl.* 258, 12. *Wied. Auss. Zweifl.* ii. 10, 24.

ı America.

Asia.

11. CHRYSOMYIA SAPPHIRINA.

Chrysomia sapphirina, *Cat. of Diptera*, Pt. 3, 519.

12. CHRYSOMYIA FLAVIVENTRIS.

Æneus; antennæ fulvæ; abdomen mellcum apice nigrum; p fulvi, femoribus tibiisque posticis medio fuscis; alæ lim

Sargus flaviventris, *Wied. Analecta Ent.* 31, 41; *Auss. Zwei* 40, 25.

East Indies.

13. CHRYSOMYIA AFFINIS.

Æneus; antennæ fulvæ; abdomen nigellum, ventre flav; p fulvi; alæ limpidæ.

Sargus affinis, *Wied. Analecta Ent.* 31, 42; *Auss. Zweifl.* ii. 41.
Sargus flaviventris, Mas?

East Indies.

Genus 31. PACHYGASTER.

Corpus breve. Facies declivis. Antennæ 7-articulat vatæ; flagellum globosum; arista setiformis, subterminalis. tellum inerme.

Pachygaster, *Meig. Klass.* i. 146; *Macq.*; *Curt.*; *Duf.*; *Ze*
Vappo, *Latr.*; *Fabr.*
Nemotelus, p., *Panz.*
Sargus, p., *Fall.*

Mediastinal vein at a little before half the length of the w Subcostal and radial ending before two-thirds of the length. branch of the cubital very short, ending at beyond half the dis between the radial and the second branch which ends at far in of the tip of the wing. Three complete externo-medial veins. anal vein united to the anal far from the border. Discal ve forming two sides of the pentagonal discal areolet. Median ve distinct, but extremely short. Humeral, subcostal, mediast radial?, first cubital, second cubital, præbrachial, pobrachial, axillary, subapical, discal, and three externo-medial veins comp Axillary lobe and subaxillary lobe incomplete. Subapical a occupying the front of the tip of the wing.

1. Pachygaster ater.

r; antennæ maris *fuscescentes*, fœminæ *fulvæ; pedes flavi, femoribus fuscis; alæ limpidæ, basi fuscæ.*

ater, *Fabr.*
aster ater, *Meig. Zweifl.* vii. 103. *Zett. Dipt. Scand.* i. 152, *Zeller, Isis*, 1840, 532, 7.

England. From Mr. Stephens' collection.

2. Pachygaster tarsalis.

nitida, nigra; antennæ fuscæ, seta albida; tibiæ anticæ totæ, posteriores apice tarsique omnes flava; alæ hyalinæ, macula stigmaticali pallida, ad basim dimidiatim fumatæ; halteres nigri.

gaster tarsalis, *Zett. Dipt. Scand.* i. 152, 2.

n.

3. Pachygaster Leachii.

er; antennæ fulvæ; pedes flavi, tibiis posticis apice fusco maculatis; alæ albæ.

gaster Leachii, *Curt. Brit. Ent.* i. 42.
gaster pallidipennis, *Macq. Hist. Nat. Dipt.* i. 265, 2. *Meig. Zweifl.* vii. 104, 2. *Zett. Dipt. Scand.* i. 153, 3.

e.

England. From Mr. Stephens' collection.

4. Pachygaster meromelas.

r; antennæ rufo-fuscæ; pedes pallidi, femoribus nigris; alæ immaculatæ, venis a basi ad medium atris.

gaster meromelas, *Léon Dufour, Ann. Sci. Nat. 2me Sér.* vi. 264—266.

ce.

5. Pachygaster minutissimus.

m. *Glaber, nitidus, niger; antennæ fuscæ; tibiæ tarsique albæ; alæ hyalinæ, immaculatæ, vena subcostali gemina; halteres nivei.*

Pachygaster minutissimus, *Zett. Dipt. Scand.* i. 153, 4; xi. 42.
Sweden.

Asia.

6. Pachygaster rufitarsis.

Mas. *Cyaneo-niger; tibiæ apice tarsique fulva; alæ hyalinæ costam subrufescentes.*

Pachygaster rufitarsis, *Macq. Dipt. Exot. Suppl.* i. 57, 1, pl. 6.
Pondicherry.

Genus 32. CHAUNA.

Proboscis brevis, palpis subprominulis. Antennæ triarticulatæ articulis 2 basalibus brevissimis, terminali lato furcato, ramo superiori setam apicalem stylumque antapicalem crassiusculum gerens. Scutellum quadrispinosum. Abdomen breve, inflatum.

Chauna, *Loew, Ent. Zeit. Stett.* viii. 370, pl. 1, f. 11—15.

1. Chauna variabilis.

Chauna variabilis, *Loew, Ent. Zeit. Stett.* viii. 370, pl. 1, f. 11.
Cuba.

Fam. 2. XYLOPHAGIDÆ.

Caput sat magnum. Antennæ non subito attenuatæ. Vena cubitalis sæpissime furcata; vena costalis circum marginem posticum attenuata; areola analis marginem posticum fere attingens; alulæ scutellares obsoletæ. Halteres manifesti.

Sicarii, *Latr.; Macq.*
Stratiomydæ, p., *Lam.*
Xylophagi, p., *Meig.; Latr.; Fall.; Zett.*
Xylophagii, p., *Macq.*
Xylophagidæ, p., *Steph.*
Xylophagidæ, p. et Xylophaga, p., *Burm.*
Xylophagites, p., *Newm.*
Cænomyidæ et Beridæ, p., *Westw.*
Xylophagei, p., *Agassiz.*
Stratiominæ, p. et Cænomydæ, p., *Rondani.*

ıe more equal distribution of the veins in the wings is one of ıracters which distinguish this family from the preceding, :al areolet is nearer the middle of the wing, and the externo- veins are more strongly marked than in most of the Stratio- It seems to be also related to Thereva and to the Asilidæ, means of Xylophagus and Rachicerus to the Tipulidæ, and ı Cænomyia to the Tabanidæ.

um non spinosum.
:nnæ 34-aut 35-articulatæ. - - - 1. Rachicerus.
:nnæ 4—10-articulatæ.
rons mediocris.
Vena cubitalis furcata.
Antennarum articulus 1us longus.
Abdomen non compressum.
Flagellum non compressum.
ennæ 10-articulatæ. - - - - 2. Xylophagus.
ennæ 4-articulatæ. - - - - - 4. Dimassus.
ennæ 5-articulatæ. - - - 12. Pachystomus.
Flagellum apice compressum. - 3. Agapophytus.
Abdomen compressum. - - - - 7. Phycus.
Antennarum articulus 1us brevis.
Antennæ non setiformes. - - - 5. Subula.
Antennæ setiformes. - - - - 6. Dialysis.
Vena cubitalis non furcata.
Antennarum articulus 1us longus. - 8. Inopus.
Antennarum articulus brevis. - - - 9. Nonacris.
'rons latissima. - - - - - 10. Metoponia.
llum bispinosum. - - - - - 11. Cænomyia.

Genus 1. RACHICERUS.

Mas. Corpus gracile, sublineare, cylindricum. Caput trans- m; vertex angustus. Oculi magni, apud antennas incisi. i approximati. Proboscis non exserta. Palpi breves. An- e 34-aut 35-articulatæ, serratæ, attenuatæ, corporis dimidio ɔ longiores; articuli transversi, cyathiformes, subpetiolati. ax oblongo-subquadratus. Abdomen pubescens, vix attenua- thorace duplo longius. Pedes sat graciles, non elongati; cal- brevissimi. Alæ angustæ. Halteres breves.

ıicerus, *Haliday, Cat. of Diptera*, Pt. 1, 124.

Male. Body slender, nearly linear, cylindrical. Head transverse, nearly as broad as the thorax; vertex narrow. Eyes large, with small facets, deeply notched, and including a smooth space on each side by the base of the antennæ. Ocelli approximate. Proboscis not prominent. Palpi short. Antennæ with 34 or 35 joints, tapering slightly, much more than half the length of the body, deeply serrated on each side; joints transverse, very short, cyathiform, petiolated. Thorax elongate-quadrate. Abdomen pubescent, with eight segments, hardly tapering from the base to the tip, about the length of the thorax. Legs rather slender, of moderate length; hinder tibiæ with very minute spurs; ungues and onychia small. Wings narrow. Mediastinal vein ending at much beyond half the length of the wing. Subcostal ending at a little beyond two-thirds of the length. Radial ending at very little beyond the subcostal. Fore branch of the cubital nearly straight, ending about half the distance between the radial and the hind branch, which ends at hardly behind the tip of the wing. Four external medial veins, the third and the fourth united near the base. Subanal united to the anal on the border. Median veinlet [illegible]. Discal areolet pentagonal, about thrice longer than broad; the basal and the two apical sides short, the intermediate sides [illegible] parallel, slightly curved. Halteres short.

1. Rachicerus fulvicollis.

Mas. *Niger; thorax fulvus; alæ sublimpidæ; halteres [illegible] testacei.*

Rachicerus fulvicollis, *Haliday, Cat. of Diptera,* Pt. 1, 124.

Male. Black. Eyes red, each enclosing a black compartment. Thorax tawny. Wings nearly limpid; veins blackish. Halteres and legs testaceous. Length of the body 2¾ lines; of the wings [illegible] lines.

Genus 2. XYLOPHAGUS.

Proboscis brevis. Palpi sat longi. Antennæ 10-articulatæ, sublineares, capite paullo longiores; articulus 1us sat longus; [illegible] et sequentes breves. Abdomen fœminæ elongatum, attenuatum. Pedes longi, graciles.

Xylophagus, *Meig.; Fabr.; Latr.; Macq.; Zett.; Westw.*
Asilus, p., *Sahlberg.*
Empis, p., *Panz.*

ɜdiastinal vein ending at much beyond half the length of the Subcostal ending a little before the radial, which ends at three-fourths of the length. Fore branch of the cubital moderately long, ending at half the length between the nd the hind branch, which ends at hardly in front of the tip wing. Four complete externo-medial veins. Subanal join- anal on the border of the wing. Median veinlet short, dis- Discal areolet hexagonal, more than thrice longer than its sides parallel.

Europe.

1. Xylophagus ater.

ɜr ; thorax fœminæ *cinereo trivittatus ; pedes fulvi, femoribus apice tibiis tarsisque posticis fuscis ; alæ hyalinæ, fusco fasciatæ.*

ıagus ater, *Fabr. Zett. Dipt. Scand.* i. 128, 1 ; viii. 2747, 1. *oser, Verz. Wurt. Dipt.* 6.

2. Xylophagus cinctus.

ɜr ; thorax fœminæ *cinereo trivittatus ; abdomen rufo cinctum ; pedes fulvi, femoribus apice tibiis tarsisque posticis fuscis ; alæ hyalinæ, fusco fasciatæ.*

telus cinctus, *Deg. Ins.* vi. 75, 6, pl. 9, f. 19—21.
hagus cinctus, *Fabr. Syst. Antl.* 65, 2. *Latr. Gen. Crust.* iv. 72. *Meig. Zweifl.* ii. 12, 2. *Macq. Hist. Nat. Dipt.* i. 230, . *Zett. Dipt. Scand.* i. 158, 2.
——— ? *Schell. Genr. Monch.* pl. 30, f. 2.
hagus ater var., *Fall. Dipt. Suec.* 13, 1.
hagus ater, var.?

3. Xylophagus compeditus.

ıer ; thorax cinereo trivittatus ; pedes flavi, femoribus posticis apice supra fuscis, tibiis posticis fusco annulatis ; alæ hyalinæ strigis flavescentibus, venis transversis infuscatis.

ɔhagus compeditus, *Weid.* ; *Meig. Zweifl.* ii, 13, 3.
ia.

North America.

4. Xylophagus americanus.

Flavus; antennæ nigræ; thorace nigro vittatus et maculatu: a domen rufum, incisuris flavis; pedes flavi, femoribus pos apice tibiisque rufescentibus, tarsis anticis basi nigro-fu alæ limpidæ.

Xylophagus americanus, *Wied.*

United States.

5. Xylophagus triangularis.

Niger; abdomen maculis trigonis schistaceis; pedes lutei: hyalinæ, apice et apud venas transversas fuscescentes.

Xylophagus triangularis, *Say.; Wied.*

Missouri.

6. Xylophagus persequus.

Xylophagus persequus, *Diptera Saundersiana*, Pt. 1, 1.

North America.

South America.

7. Xylophagus? vetustus.

Fœm. *Niger; caput albo-tomentosum; antennæ piceæ; albo trivittatus; pectus cano-tomentosum; abdomen cens; pedes picei; alæ subcinereæ, venis nigris.*

Fem. Black. Head mostly covered with shining white mentum. Antennæ piceous, not longer than the head. Th with three white stripes. Pectus with hoary tomentum. Abd slightly covered with hoary tomentum. Legs piceous. W grayish; veins black; costal vein ceasing a little in front of th of the wing; first branch of the cubital vein undulating, j the tip of the costal; third submarginal vein joining the fourt the border; subanal joining the anal at some little distance from border. Halteres black, with testaceous knobs. Length of body 2½ lines; of the wings 4½ lines.

a. Parà. From Mr. Bates' collection.

Asia.

8. XYLOPHAGUS BRUNNEUS.

:rate fuscus; thorax vittis indistinctis albidis; abdomen inci-suris flavis; femora flava.

ıagus brunneus, *Wied. Analecta Ent.* 19, 1; *Auss. Zweifl.* i. ;, 3.

ndies.

Genus 3. AGAPOPHYTUS.

ntennarum articulus 1us longissimus; 2us brevissimus; fla-ı articulo 1o longior, apice compressum. *Fæm.* Abdomen ıpinis armatum.

ıphytus, *Guér. Voy. de la Coquille*, i. 289.
:elus, *Diptera Saundersiana*, Pt. 1, 4,

Iediastinal vein ending at about half the length of the wing. stal ending at about two-thirds of the length. Radial ending e-sixths of the length. First branch of the cubital curved, ·ately long; second ending at behind the tip of the wing. externo-medial veins; the third and fourth united by the bor-f the wing. Subanal vein and anal vein united at their tips. l areolet elongated, indistinctly hexagonal.

1. AGAPOPHYTUS NIGROFLAMMA.

telus nigroflamma, *Diptera Saundersiana*, Pt. 1, 4.

ı America.

2. AGAPOPHYTUS PRUINOSUS.

ıtelus pruinosus, *Diptera Saundersiana*, Pt. 1, 5, pl. 1, f. 4.

ı America.

3. AGAPOPHYTUS SOCIUS.

ɔtelus socius, *Diptera Saundersiana*, Pt. 1, 6.
ɔophytus Australasiæ? *Guér. Voy. de la Coquille*, i. 290. *Atlas, Ins.* pl. 20, f. 11.

ɔuth America. From Mr. Saunders' collection.

4. Agapophytus lætus.

Cyclotelus lætus, *Diptera Saundersiana*, Pt. 1, 6.
South America.

Genus 4. DIMASSUS.

Antennarum articulus 1us longissimus; 2us brevissimus, fusiformis, 1i dimidio paullo longior; 4us minimus, conicus, setiformis, 2o non longior.

Dimassus, *Diptera Saundersiana*, Pt. 1, 2.

Mediastinal vein ending at beyond half the length of the Subcostal ending at a little beyond the mediastinal. Radial at a little before five-sixths of the length. First branch of the tal undulating; second ending at behind the tip of the wing separate externo-medial veins. Subanal vein united to the the border. Discal areolet elongated, indistinctly hexagonal.

1. Dimassus terminalis.

Dimassus terminalis, *Diptera Saundersiana*, Pt. 1, 3, pl. 1, f.
Xylophagus terminalis, *Cat. of Diptera*, Pt. 1, 129.
New South Wales.

2. Dimassus latistria.

Dimassus latistria, *Diptera Saundersiana*, Pt. 1, 2.
Xylophagus latistria, *Cat. of Diptera*, Pt. 1, 130.
——— ?

3. Dimassus divisus.

Dimassus divisus, *Diptera Saundersiana*, Pt. 1, 4.
——— ?

Genus 5. SUBULA.

Palpi biarticulati; articulus 2us longus, cylindricus. Ar subfiliformes; articuli 1us et 2us æquales; flagellum longius cylindricum. Alarum areola analis clausa, retracta.

Megerle, *Meig. Zweifl.* iii. 15; *Macq.*
elus, p., *Degeer.*
agus, p., *Meig.; Fabr.; Latr.; Zett.*

ediastinal vein ending at very much beyond half the length wing. Subcostal ending near the radial, which extends to l three-fourths of the length. First branch of the cubital , moderately long, ending at half the length between the and the second branch, which ends at a little in front of the the wing. Four complete externo-medial veins. Subanal oining the anal close to the border of the wing. Median : distinct, but very short. Discal areolet hexagonal, about longer than broad; its sides nearly parallel.

Europe.

1. SUBULA MACULATA.

ra; antennæ ferrugineæ, basi fuscæ; thorax flavo vittatus et quadrimaculatus; abdomen basi flavo bimaculatum, segmentis flavo cinctis; pedes flavi, nigro cinctis; alæ hyalinæ.

hagus maculatus, *Fabr. Syst. Antl.* 65, 3. *Fall. Dipt. Suec.* 3, 2. *Latr. Gen. Crust.* iv. 272; *Cons. Gén.* 442. *Meig. Zweifl.* ii. 13, 4, pl. 12, f. 15. *Steph. Ill. Brit. Ent. Haust.* l. 46, f. 3. *Zett. Dipt. Scand.* i. 128, 3.
la maculata, *Macq. Hist. Nat. Dipt.* i. 230, 1.

igland. From Mr. Stephens' collection.

2. SUBULA VARIA.

gra; antennæ fuscæ, subtus flavo fasciatæ, capite longiores; scutellum flavum, lateribus nigris; abdomen incisuris flavis; pedes flavi; alæ limpidæ.

phagus varius, *Megerle; Meig. Zweifl.* ii. 14, 5; vi. 319. *Roser, Ann. Nat. Hist. Soc. Tubing.* ii. 1828. *Ferussac, Bull. Sci. Nat.* 1829.
ila varia, *Macq. Hist. Nat. Dipt.* i. 230, 2.

England.

3. Subula marginata.

Nigra; antennæ nigro-fuscæ, capitis longitudine, articulo 3o i subtus flavo; thorax lateribus flavo lineatis, scutello fl abdomen incisuris pallidis; pedes flavi, coxis nigris, femo posticis incrassatis apice nigris; alæ limpidæ.

Xylophagus marginatus, *Meigerle; Meig. Zweifl.* ii. 15, 6. *Acad. Sci. Brux. Ann. Soc. Ent. Fr.* vi. *Bull. Ent.* 89.
Subula marginata, *Macq. Hist. Nat. Dipt.* i. 231, 3.

France. Austria.

Subula citripes.

Nigra, albido sericeo pubescens; os, palpi, linea lateralis th thoracis, scutellum, halteres, pedesque cum coxis flavo-cit antennæ atræ, capite longiores; abdomen penitus ni genitalibus testaceis; tarsi apice nigrescentes; alæ imma

Subula citripes, *Leon Duf. Ann. Soc. Ent. Fr. 2me Sér.* iv. *Ent.* xlvii. *Ann. Sci. Nat. 3me Sér.* (1847), vii. 14, pl. 12—18.

France.

North America.

4. Subula fasciata.

Xylophagus fasciatus, *Barnston, Cat. of Diptera*, Pt. 1, 128.

5. Subula reflectens.

Xylophagus reflectens, *Cat. of Diptera*, Pt. 1, 129.

South America.

6. Subula vittata.

Mas. *Atra; caput et thorax flavo maculata; pedes nigri fuscæ.*

Xylophagus vittatus, *Walk. Linn. Trans.* xvii. 338, 20.

Caput antice et postice flavo maculatum, subtus albo pu cens; oculi rufi; thorax flavo quadrivittatus, subtus albo pube scutellum flavum; abdomen pubescens; pedes pubescentes, subtus rufo pilosis; alæ fuscæ, pubescentes, basi nigro fusce nigro fuscis; halteres flavi, apice pallidiores.

St. Paul, Brazil.

Africa.

7. SUBULA NIGRITIBIALIS.

; abdominis incisuræ, fœminæque discus pallida ; pedes flavi, tibiis tarsisque posticis nigris.

nigritibialis, *Macq. Hist. Nat. des Canaries de Webb et rthelot*, 102, 12; *Dipt. Exot.* i. 1, 171, 1.

Isles.

Genus 6. DIALYSIS.

s, *Diptera Saundersiana*, Pt. 1, 4.

ıtennarum articuli 1us et 2us breves ; 2us 1o paullo brevior ıicus, 2o non longior; seta terminalis pubescens, articulo 1o iplo longior.

1. DIALYSIS DISSIMILIS.

is dissimilis, *Diptera Saundersiana*, Pt. 1, 4.
hagus Americanus ? *Cat. of Diptera*, Pt. 1, 128.

America.

Genus 7. PHYCUS.

ıs, *Diptera Saundersiana*, Pt. 1, 2.

ıntennarum articulus 1us longissimus, 2o bis quadruplo lon- 3us fusiformis, 2i dimidio non brevior; 4us conicus, mini- Abdomen compressum.

1. PHYCUS CANESCENS.

ıs canescens, *Diptera Saundersiana*, Pt. 1, 2, pl. 1, f. 5.
phagus canescens, *Walk. Cat. Dipt. B. M.*, Pt. 1, 129.

ı Bengal.

Mediastinal vein ending at a little before half the length of the . Subcostal ending at before two-thirds of the length. Radial ıg at about three-quarters of the length. First branch of the

cubital undulating, ending at a little in front of the tip of the wing; second branch ending at much behind the tip. Four externo-medial veins, the third and fourth united before the border. Subanal vein united to the anal by the border. Discal areolet elongated, irregular hexagonal.

Genus 8. INOPUS.

Inopus, *Diptera Saundersiana*, Pt. 1, 2.

Antennarum articulus 1us longus; 2us brevissimus; flagellum lanceolatum, articulo 1o longior. Alarum vena cubitalis furcata.

1. Inopus dispectus.

Inopus dispectus, *Diptera Saundersiana*, Pt. 1, 2, pl. 1, f. 7.

Mediastinal vein ending at about half the length of the wing. Subcostal ending at some distance beyond. Radial ending a little beyond the subcostal, cubital simple, ending at a little in front of the tip of the wing. Three externo-medial veins. Subanal vein united to the anal near the border. Discal areolet moderately and indistinctly hexagonal.

Genus 9. NONACRIS.

Nonacris, *Diptera Saundersiana*, Pt. 1, 7.

Antennæ 7-articulatæ; articulus 2us 1o multo longior; cæteri sequentes breves. Alarum vena cubitalis non furcata.

1. Nonacris transequa.

Nonacris transequa, *Diptera Saundersiana*, Pt. 1, 7.

South America.

Genus 10. METOPONIA.

Fœm. Frons latissima. Oculi parvi. Ocelli verticales. Palpi breves, graciles. Antennæ 10-articulatæ, inferius insertæ; articulus 1us 2o duplo longior; flagellum fusiforme, articulo 1o paulo longior. Scutellum muticum. Tibiæ non calcaratæ.

Metoponia, *Macq. Dipt. Exot. Suppl.* ii.

1. METOPONIA RUBRICEPS.

a. *Nigra; caput rubrum; alæ hyalinæ, basi et ad costam subfuscæ; femora apice tibiæque basi fulva.*

onia rubriceps, *Macq. Dipt. Exot. Suppl.* ii.

Iolland. Tasmania.

Genus 11. CŒNOMYIA.

orpus crassum. Caput parvum. Oculi subpubescentes, elongati, cylindrici, asundentes. Antennæ 10-articulatæ, non longiores; articulus 1us elongatus, apice paullo crassior; um conicum. Scutellum bispinosum. Tibiæ calcaratæ.

myia, *Latr. Gen. Crust.* iv. 281. *Meig.; Lam.; Macq.; Blanch.; Gimmerthal.*
ius, p., *Fabr.; Gmel.*
omys, p., *Fabr.; Schr.; Panz.*
Fabr.; Meig.; Kl.; Fall.

Mediastinal vein ending at before two-thirds of the length of ing. Subcostal ending at a little beyond three-fourths of the a. Radial ending at four-fifths of the length. Fore branch cubital curved, ending at half the distance between the radial he hind branch, which ends behind the tip of the wing. Four lete externo-medial veins. Subanal vein almost joining the on the border. Median veinlet short. Discal areolet heptago- nearly thrice longer than broad.

1. CŒNOMYIA FERRUGINEA.

rruginea; abdomen maculis lateralibus albidis, alæ flavicantes.

ferrugineus, *Fabr. Dum. Cons. Gén. Ins.* pl. 48, f. 3. *Zett. Dipt. Scand.* i. 130, 1.

nterlacken, Switzerland. Presented by F. Walker, Esq.

2. CŒNOMYIA PALLIDA.

rruginea; thorax trivittatus; abdomen pallidum; alæ hyalinæ, venis flavo limbatis.

nomyia pallida, *Say.*

ted States. Canada.

Genus 12. PACHYSTOMUS.

Proboscis crassa. Palpi latiusculi, subcompressi, probosc- longitudine. Antennæ articulis quinque distinctis, lo sequentia longiore et crassiore. Scutellum muticum.

Pachystomus, *Latr. Gen. Crust.* iv. 287. *Encycl. Méth.* viii. *Macq.*
Rhagio, p., *Panz.*

1. Pachystomus syrphoidis.

Niger; thorax cinereo vittatus; abdomen fusco-rufum, basi que nigrum; pedes fulvi; alæ fusco semifasciatæ.

Pachystomus syrphoides, *Latr. Gen. Crust.* iv. 286. *Encycl.* viii. 623. *Macq. Hist. Nat. Dipt.* i. 226, 1. *Meig. Zw.* 319; vii. 57, 1.
Empis subulata, *Panz. Faun. Ins. Germ.* 54, 23. (Mas.)
Rhagio syrphoides, *Panz. Faun. Ins. Germ.* 77, 19. (Fœm.)

France. Germany.

Addenda.

Stratiomys goniphora.

Nigra; caput flavo-album nigro bifasciatum; antennæ thorax aureo-hirtus; scutellum margine postico spinisque abdomen maculis lateralibus trigonis apiceque flavis, viride; pedes flavescentes, femoribus subtus nigro lin alæ hyalinæ.

Stratiomys goniphora, *Say, Journ. Acad. Nat. Sci. Philad.* 161.

Mexico.

Stratiomys trivittata.

Viridis; frons et vertex fuscescentes; antennæ rufo-fusc. pallidiores; thorax nigro trivittatus; abdomen nigro vittatum.

Stratiomys trivittata, *Say, Journ. Acad. Nat. Sci. Philad.* vi.

Mexico.

NEMOTELUS POLYPOSUS.

pureo-nigra, nitens; alæ et halteres alba; pedes flavi, femoribus nigris apice flavis, tibiis posticis apud medium nigris.

:elus polyposus, *Say, Journ. Acad. Nat. Sci. Philad.* vi. 160.

o.

SARGUS MINIMUS.

eo-viridis; oculi non lineati; antennæ nigræ; abdomen maris *cupreum*, fœminæ *violaceum; pedes obscure fusci; alæ fusco-hyalinæ, nubecula nulla; halteres pallidi.*

s nitidus, *Zett. Dipt. Scand.* i. 159, 6.
s minimus, *Zett. Dipt. Scand.* viii. 2965, 6, 7.

en.

Fam. 3. TABANIDÆ.

Caput magnum. Alæ completæ; vena cubitalis furcata, cos- narginem posticum attingens; areola analis usque ad margi- producta. Alulæ scutellares elevatæ.

nidæ, *Leach; Curt.; Westw.*
nii, *Latr.; Fall.; Meig.; Macq.; Zett.; Agassiz.*
racina, p., *Rafinesque.*
ostoma, p., *Dumeril.*
nica, *Burm.*
nites, *Newm.*
ninæ, *Rondani.*
nidii, p., (Tabanidæ et Acanthomeridæ), *Bigot.*

The wing-veins and areolets in this family are nearly similar to : in the plate at the commencement of this Catalogue.

Proboscis exserta.
. Antennæ 10-articulatæ. - - - - 1. Pangonia.
. Antennæ 6, 7, aut 8-articulatæ.
A. Antennæ 7-articulatæ.
a. Proboscis longa.
i. Proboscis elevata. - - - 2. Rhinomyza.
ii. Proboscis incumbens
1. Venæ cubitalis ramus 1us non furcatus. 3. Erodiorhynchus.
2. Venæ cubitalis ramus 1us furcatus. 4. Ectenopsis.

b. Proboscis brevis.
i. Antennæ articulo 3o inciso aut dentato.
1. Proboscis gracilis. Palpi fere cylindrici. Facies convexa. - - - - 5. Dichelacera
2. Proboscis plerumque crassa. Palpi maris ovati, fœm. conici. Facies depressa.
* Faciis nuda. - - - - 6. Tabanus
** Facies maris hirtissima, fœm. pubescens. 7. Dasyllis
ii. Antennæ articulo 3o simplici.
1. Ocelli nulli.
* Fœm. Frons angusta. Fœm. Palpi subulati.
† Antennæ articulis 1o et 2o acuminatis. 8. Acanthoceras
†† Antennæ articulis 1o et 2o non acuminatis. 9. Diaphorus
** Fœm. Frons lata. Palpi ovati. obtusi.
† Corpus squamosum. - - 10. Hadrus
†† Corpus non squamosum. - 11. Selasomyia
2. Ocelli tres.
* Antennarum articuli 1us et 2us breves.
† Venæ cubitalis furca antica ramulo brevi nullo. 12. Sy[illegible]
†† Venæ cubitalis furca antica ramulum longum demittens. - - - - 13. Sc[illegible]
** Antennarum articuli 1us et 2us longi.
† Abdomen non compressum. - 14. Chrysopilus
†† Abdomen fœminæ apice compressum. 15. Gastrozia
B. Antennæ 6-articulatæ.
a. Antennæ articulis 3o ad 6um quasi unum fingentibus. 16. Hæmatopota
b. Antennæ articulis 3o ad 6um discretis. - 17. Hexatoma
B. Proboscis retracta.
A. Palpi biarticulati. - - - 18. Raphiorhynchus
B. Palpi quadriarticulati. - - - 19. Acanthomera

Genus 1. PANGONIA.

Corpus magnum latiusculum. Oculi magni. Ocelli [illegible] Proboscis plus minusve elongata. Antennæ lanceolatæ, articulis [illegible] ad 10um arctissime connexis. Thorax fere planus. Pectus un[illegible]catum. Alæ divaricatæ. Abdomen thorace paullo latius.

ıia, *Latr.; Fabr.; Lam.; Wied.; Meig.; Macq.; Blanch.*
'lius, p., *Deg.; Oliv.*
ıs, p., *Linn.; Fabr.; Donov.; Guér,; Walk.*
lossa, *Meig.; Kl.*

ostal vein ending at the tip of the wing. Mediastinal ending ittle before two-thirds of the length. Subcostal ending at before three-quarters of the length. Radial ending at a eyond half the distance between the subcostal and the tip of ng. First branch of the cubital ending at half the distance n the radial and the tip of the wing, often angular, and ıg a branch from its angle; second branch ending on the order far from the tip of the wing, often united to the first ex- nedial at some distance from the border. Second, third, and externo-medial veins complete. Subanal and anal often near the border. Discal areolet elongated, hexagonal.

n 'Insecta Saundersiana,' Diptera, Pt. 1, this genus is divided ıe following sections:—

. Nuceria. 2. Fidena. 3. Dicrania, *Macq.* 4. Melpia. aptia. 6. Pangonia. 7. Tacina. 8. Phara. 9. Clanis. sca. 11. Philoliche, *Hoffm.* 12. Scione. 13. Plinthina. carphia. 15. Lilæa.

Europe.

The European species belong to two of the groups before-men- l,—Pangonia and Facina.

ıorax ferrugineus.
Alæ fusco maculatæ. - - - - maculata, *Fabr*
Alæ fuscæ. - - - - - ferruginea, *Latr.*
horax flavicans. - - - - - - flava, *Meig.*
horax niger.
Abdomen albo non maculatum.
A. Alæ fuscæ. - - - - - marginata, *Fabr.*
B. Areolarum disci plerumque limpidi. - cellulata, *Brullé.*
Abdomen albo maculatum.
A. Pedes nigri.
a. Pedes antici fusci. - - - variegata, *Macq.*
b. Tibiæ fuscescentes. - - - - micans, *Hoffm.*
B. Pedes pallidi.
a. Femora nigro-fusca. - - - ornata, *Meig.*
b. Femora fulva. - - - - - picta, *Macq.*

1. Pangonia maculata.

Ferruginea; proboscis corpore dimidio brevior; abdomen macu fuscis; alæ fusco maculatæ.

Pangonia, maculata, *Fabr.*

South Europe. North Africa.

2. Pangonia ferruginea.

Ferruginea, pilis flavo-fuscis; antennæ nigræ, flavo cinctæ; a men maculis dorsalibus nigris; femora nigra; alæ fusc

Pangonia ferruginea, *Latr. Gen. Crust.* iv. 282. *Meig. Zweif.* 24, 3.

Tanyglossa ferruginea, *Meig. Klass. Zweifl.* i. 175, 1, pl. 10, f.

Portugal.

3. Pangonia flava.

Flavicans, fuscescente hirta; pedes fulvi; alæ albido hyalin

Pangonia flava, *Meig. Zweifl.* ii. 22, 1.

South France.

4. Pangonia marginata.

Nigra; abdomen postice fulvo ciliatum; pedes nigro-fusci; obscure fuscæ.

Pangonia marginata, *Fabr.*

Piedmont. Spain.

5. Pangonia cellulata.

Fœm. *Nigra; thorax maculis duabus humeralibus fulvis; fulvi; alæ fuscæ, areolarum discalium apicalium et p rum discis limpidis.*

Pangonia cellulata, *Brullé, Exped. Scient. de Morée,* 3 *Zool.* pl. 47, f. 1.

Greece.

6. Pangonia variegata.

Nigra; facies et frons fulvæ; thorax cinereo pubescens, lineis albicantibus; abdomen glaucescens, segmento 2o albo marginato, 3o 4oque macula dorsali alba, 4o sequentibusque maculis lateralibus albis; pedes antici fusci; alæ subfuscescentes.

Pangonia variegata, *Macq. Hist. Nat. Ins. Dipt.* i. 195, 11. *Meig. Zweifl.* vii. 57, 7.

South Europe.

7. Pangonia micans.

Nigra; thorax flavicante hirtus; abdomen trifarium albo maculatum, marginibus apicis fulvo-hirtis; tibiæ fuscescentes; alæ flavido-fuscæ.

Pangonia micans, *Hoffm.; Meig.*

Italy. Portugal.

8. Pangonia ornata.

Nigra; thorax ferrugineo villosus; abdomen nigrum, albo fulvoque variegatum; pedes pallidi, femoribus nigro-fuscis; alæ dilute ferrugineæ.

Pangonia ornata, *Meig. Zweifl.* ii. 26, 6, pl. 13, f. 7.

South France?

9. Pangonia picta.

Nigricans; antennæ fulvæ; thorax flavescente pubescens, fascia albida; abdomen fulvum, vitta dorsali nigra, maculis lateralibus marginibusque posticis albis; pedes fulvi; alæ fuscescentes.

Pangonia picta, *Macq. Hist. Nat. Dipt.* 7, 195, 12. *Meig. Zweifl.* vii. 58, 8.

South Europe.

North America.

10. Pangonia fusiformis.

Pangonia fusiformis, *Diptera Saundersiana*, Pt. 1, 19.

Belongs to the group Philoliche.

11. Pangonia incisa.

Glauca; antennæ fulvæ; thorax flavido-hirtus; abdomen nitro-fuscum incisuris flavidis; pedes fulvi; alæ fuscanæ.

Pangonia incisa, *Wied. Auss. Zweifl.* i. 90, 6.
Pangonia incisuralis, *Say, Journ. Acad. Philad.* iii. 31.

Arkansa.

Mexico.

12. Pangonia aurulans.

Rubido-fusca; antennæ fulvæ; abdomen aurato-hirtum; pedes fulvi, tibiis fuscescentibus, tarsis nigro-fuscis; alæ fuscæ.

Pangonia aurulans, *Wied. Auss. Zweifl.* ii. 620, 12.

13. Pangonia basilaris.

Obscure fusca; antennæ fulvæ; thorax flavido-hirtus; abdomen subferrugineum; pedes fulvi, femoribus nigro-fuscis, subflavescentes, ima basi nigræ.

Pangonia basilaris, *Wied. Auss. Zweifl.* ii. 621, 13.

14. Pangonia semiflava.

Nigra; antennæ apice flavæ; abdomen flavum, basi nigrum; pedes flavescentes, ima basi nigræ.

Pangonia semiflava, *Wied. Auss. Zweifl.* ii. 622, 16,

South America.

The South American species belong to the following genera: Fidena, Dicranta, Melpia, Osca, Philoliche, and Scione.

15. Pangonia badia.

Pangonia badia, *Cat. of Diptera*, Pt. 1, 132.

16. PANGONIA NIGROHIRTA.

ıia nigrohirta, *Cat. of Diptera*, Pt. 1, 132.

17. PANGONIA PICEOHIRTA.

ıia piceohirta, *Cat. of Diptera*, Pt. 1, 132.

18. PANGONIA RUFOHIRTA.

nia rufohirta, *Cat. of Diptera*, Pt. 1, 131.

19. PANGONIA TENUISTRIA.

nia tenuistria, *Cat. of Diptera*, Pt. 1, 143.

20. PANGONIA BASALIS.

nia basalis, *Cat. of Diptera*, Pt. 1, 133.

21. PANGONIA OCELLUS.

onia ocellus, *Cat. of Diptera*, Pt. 1, 143.

22. PANGONIA NANA.

onia nana, *Diptera Saundersiana*, Pt. 1, 11.

23. PANGONIA COMPREHENSA.

onia comprehensa, *Diptera Saundersiana*, Pt. 1, 11.

24. PANGONIA EXEUNS.

gonia exeuns, *Diptera Saundersiana*, Pt. 1, 12.

25. PANGONIA NOTABILIS.

gonia notabilis, *Diptera Saundersiana*, Pt. 1, 18.

26. Pangonia umbra.

Pangonia umbra, *Diptera Saundersiana*, Pt. 1, 19.

A. Antennæ non furcatæ.
  A. Corpus cæruleo-nigrum. - - - longipalpis, M
  B. Corpus nigrum.
    A. Thorax albo non vittatus nec hirtus.
      a. Alæ nigricantes. - - - - lugubris, M
      b. Alæ fuscæ. - - - - - Besckii, M
        i. Pedes fusci.
        ii. Pedes testacei. - - - - singularis, M
      e. Alæ fusco maculatæ. - - - minor, M
      f. Alæ flavicantes, basi nigræ. - - eriomera, M
    B. Thorax albo vittatus.
      a. Frons non alba. - - - - incompleta, M
      b. Frons alba. - - - - - albifrons, M
    C. Thorax albo pilosus. - - - albithorax, M
  C. Thorax niger. Abdomen pallidum.
    A. Alæ fuscanæ medio hyalinæ. - - fenestrata, M
    B. Alæ subfuscæ. - - - - testaciventris, M
    C. Alæ cinereæ, basi et ad costam subfuscæ.
      aurimaculata, M
  D. Corpus nigrum; thorax vittis aurantiacis. Abdomen r
      rufum. - - - - - depressa, M
  E. Corpus nigro-fuscum. Abdomen apice fulvum. analis, F
  F. Thorax fuscus.
    A. Abdomen nigrum.
      a. Alæ infumatæ. - - - - fulvithorax, W
      b. Alæ sublimpidæ. - - - - venosa, W
    B. Abdomen fuscum.
      a. Antennæ pallidæ.
        i. Alæ flavidæ. - - - - albifasciata, M
        ii. Alæ basi fuscæ. - - - - basilaris, W
        iii. Alæ fusciscentes. - - - incisuralis, M
      b. Antennæ nigræ. - - - - fasciata, M
    C. Abdomen badium.
      a. Abdomen albo fasciatum. - - Winthemi, W
      b. Abdomen albo non fasciatum. - - molesta, W
    D. Abdomen ferrugineum.
      a. Barba nivea.
        i. Abdomen vitta maculari nigra. - marginatis, W
        ii. Abdomen immaculatum. - leucopogon, W

b. Barba flava. - - - - - sorbens, *Wied.*
E. Abdomen fulvum, apice fuscum. - longirostris, *Macq.*
. Thorax ferrugineus. Abdomen badium. fuscipennis, *Wied.*
'. Corpus ferrugineum.
A. Alæ flavidæ. - - - - ferruginea, *Macq.*
B. Alæ fuscæ. - - - - xanthopogon, *Macq.*
Corpus badium. - - - - castanea, *Perty.*
. Thorax rufus
A. Abdomen non viride.
a. Pedes rufi.
i. Abdomen non nigro pilosum.
1. Thorax non lineatus. - - - unicolor, *Macq.*
2. Thorax albido lineatus. - - lingens, *Wied.*
ii. Abdomen apicem versus nigro pilosum. ardens, *Macq.*
B. Pedes nigri.
i. Abdomen apice rufum. - - - rufa, *Macq.*
ii. Abdomen apice nigrum. - - translucens, *Macq.*
B. Abdomen viride. - - - prasiniventris, *Macq.*
.. Thorax testaceus. Abdomen viride. - viridiventris, *Macq.*
. Corpus fulvum.
a. Alæ non fasciatæ. - - - tabanipennis, *Macq.*
B. Alæ fasciatæ. - - - - fascipennis, *Macq.*
Antennæ furcatæ.
. Alæ fuscæ. - - - - - - cervus, *M. B.*
). Alæ fascia apiceque limpidæ. - - furcata, *Wied.*

27. Pangonia longipalpis.

Fœm. *Cæruleo-nigra; thorax fusco pubescens; abdominis incisuræ albæ; pedes fusci; alæ cinereæ.*

ıgonia longipalpis, *Macq. Dipt. Exot. Suppl.* 3, 9, 40, pl. 1, f. 3.
ızil.

28. Pangonia lugubris.

Fœm. *Nigra, albido hirta; alæ nigricantes, albido hirtæ.*

ngonia lugubris, *Macq. Dipt. Exot.* i. 1, 104, 15, pl. 14, f. 2.
azil.

29. Pangonia Besckii.

Nigra; thorax utrinque flavo pilosus; abdomen maculis [illegible] albis; alæ fuscæ.

Pangonia Besckii, *Wied. Aus. Zweifl.* i. 97, 18.
Brazil.

30. Pangonia singularis.

Fœm. *Nigra; antennæ et pedes testacea; alæ fuscanæ, venis [illegible] talis furca antica simplici, areola externo-mediana 4a [illegible]*

Pangonia singularis, *Macq. Dipt. Exot. Suppl.* i. 23, 27.
New Grenada.

31. Pangonia minor.

Fœm. *Nigra; oculi hirti; antennæ pedesque fulva; [illegible] lineæ abdominisque incisuræ flavidæ alæ fusco maculat[illegible]*

Pangonia minor, *Macq. Dipt. Exot. Suppl.* 2, 13, 43.
America.

32. Pangonia eriomera.

Mas. *Nigra; oculi hirsuti; antennæ rufæ; abdomen [illegible] dorsalibus albis; femora nigra, hirsuta, tibiæ tarsique [illegible] alæ flavicantes, basi nigræ.*

Pangonia eriomera, *Macq. Dipt. Exot.* i. 1, 105, 18, pl. 14, f. [illegible]
Brazil.

33. Pangonia incompleta.

Mas. *Nigra; oculi hirti; antennæ testaceæ, basi nigræ; [illegible] lineis albidis; abdomen maculis dorsalibus albis, [illegible] flavidæ.*

Pangonia incompleta, *Macq. Dipt. Exot. Suppl.* 1, 27, 35.
Colombia.

34. Pangonia albifrons.

a. *Nigra: frons alba; oculi hirsuti; thorax vittis quinque albicantibus; venæ cubitalis furca antica simplici, areola externo-mediana 1a clausa.*

nia albifrons, *Macq. Dipt. Exot.* i. 1, 108, 24.

35. Pangonia albithorax.

n. *Nigra; oculi hirsuti; thorax albo pilosus; abdomen segmentis duobus ultimis aurato pilosis; venæ cubitalis furca antica simplici, areolis externo-medianis 1a 4aque semi-apertis.*

nia albithorax, *Macq. Dipt. Exot.* i. 1, 107, 22.

36. Pangonia fenestrata.

m. *Nigra, nitida; oculi hirti; antennæ rufæ, apice nigræ; abdomen basi flavum, diaphanum, apice fuscum; pedes fusci tibiis fulvis; alæ fuscanæ medio hyalinæ.*

nia fenestrata, *Macq. Dipt. Exot. Suppl.* 1, 26, 32.

l.

37. Pangonia testaceiventris.

m. *Nigra; abdomen testaceum, fasciis vittaque dorsali nigris, lateribus albo notatis; tibiæ anteriores, tarsique fulva; alæ subfuscæ.*

onia testaceiventris, *Macq. Dipt. Exot. Suppl.* 3, 9, 39.

, Peru.

38. Pangonia aurimaculata.

m. *Nigra; oculi hirsuti; abdomen ferruginum, maculis dorsalibus auratis; pedes fusci; alæ cinereæ, basi et ad costam subfuscæ.*

onia aurimaculata, *Macq. Dipt. Exot.* i. 1, 105, 17.

il.

39. Pangonia depressa.

Fœm. *Nigra; oculi hirsuti; thorax vittis lateralibus aurea-cis; abdomen segmentis duobus ultimis rufis; venæ cubiti furca antica simplex; areolæ externo-medianæ la 4aque ticæ semiapertæ.*

Pangonia depressa, *Macq. Dipt. Exot.* i. 1, 107, 21.

Chili.

40. Pangonia analis.

Nigro-fusca; antennæ ferrugineæ; proboscis longitudine cor abdomen apice fulvum; pedes flavi, femoribus nigris limpidæ.

Pangonia analis, *Fabr. Syst. Antl.* 91, 6. *Wied. Dipt. Exot* 57, 11; *Auss. Zweifl.* i. 93, 12.

South America.

41. Pangonia fulvithorax.

Nigra; antennæ apice ochraceo-fuscæ; thorax et anus fulv alæ infumatæ.

Pangonia fulvithorax, *Wied.*

Brazi

42. Pangonia venosa.

Fusca; antennæ nigro-fuscæ; abdomen nigrum; alæ subhya venis fusco limbatis; pedes nigri.

Pangonia venosa, *Wied. Dipt. Exot.* i. 52, 1; *Auss. Zweif* 87, 1.

Brazil.

43. Pangonia albifasciata.

Fœm. *Fusca; oculi hirti; antennæ testaceæ apice fuscæ: rax lineis albidis; abdomen fasciis rufis; alæ flavide.*

Pangonia albifasciata, *Macq. Dipt. Exot. Suppl.* i. 28, 36.

New Grenada.

44. Pangonia basilaris.

·a; *abdomen maculis anoque fulvis; pedes flavi, femoribus obscure fuscis; alæ subflavescentes, basi fuscæ.*

nia basilaris, *Wied. Auss. Zweifl.* i. 554, 25.

45. Pangonia incisuralis.

n. *Fusca; antennæ pedesque fulva; oculi nudi; abdominis incisuræ flavæ; alæ fuscescentes.*

·nia incisuralis, *Macq. Dipt. Exot. Suppl.* 2, 12, 41.

. ?

46. Pangonia fasciata.

n. *Obscure fusca; abdomen fasciis flavicantibus; antennæ pedesque nigra; alæ antice flavescentes, postice fuscæ.*

ɔnia fasciata, *Macq. Dipt. Exot.* i. 1, 103, 14.

l.

47. Pangonia Winthemi.

ıvo-*fusca; abdomen badium, albo fasciatum; alæ fuscanæ.*

onia Winthemi, *Wied. Zool. Mag.* iii. 44, 5; *Dipt. Exot.* i. 53, 3; *Auss. Zweifl.* i. 21, 8.

il.

48. Pangonia molesta.

usca; *thorax flavido hirtus et bilineatus; abdomen badium; alæ fuscano turbidæ.*

gonia molesta, *Wied. Auss. Zweifl.* i. 91, 9.

ził.

49. Pangonia leucopogon.

Fusca; antennæ, abdomen et pedes ferruginosa; barba nitida; thorax marginibus lateralibus albo pilosis.

Pangonia leucopogon, *Wied.*

Brazil.

50. Pangonia marginalis.

Glaucescente fusca; antennæ fulvæ; thoracis latera albo marginata; abdomen subferrugineum, vitta maculari nigra, incisibus apice albo marginatis; alæ fuscescentes.

Pangonia marginalis, *Wied. Auss. Zweifl.* ii. 620, 11.

Brazil.

51. Pangonia sorbens.

Glaucescente fusca, antennæ, abdomen et pedes subferruginea; alæ fuscescentes.

Pangonia sorbens, *Wied.*

Monte Video.

52. Pangonia longirostris. (Nomen bis lectum.)

Fœm. *Fascia; antennæ pedesque nigra; proboscis corporis longitudine; oculi hirsuti; abdomen fulvum, apice fusco; alæ subcinereæ.*

Pangonia longirostris, *Macq. Dipt. Exot. Suppl.* 2, 12, 42.

Brazil.

53. Pangonia fuscipennis.

Ferruginea; antennæ fulvæ; abdomen badium, maculis utrinque parvis albis; alæ fuscæ, basi ferrugineæ.

Pangonia fuscipennis, *Wied. Auss. Zweifl.* i. 95, 16. *Macq. Dipt. Exot.* i. 1, 102, 12.

Brazil.

Note.—An injured specimen of this species is described as Tabanus subvarius, *Cat. of Diptera*, Pt. 1, 150.

54. Pangonia ferruginea.

ı. *Ferruginea; antennæ pedesque fulva; abdomen apicem versus fuscum; alæ flavidæ.*

ıia ferruginea, *Macq. Dipt. Exot.* i. 2, 179.

55. Pangonia xanthopogon.

n. *Fusca, ferrugineo pubescens; oculi hirsuti; antennæ testaceæ; pedes fulvi; alæ fuscæ; venæ cubitalis furca antica simplex; areola externo-media* 1a *clausa.*

nia xanthopogon, *Macq. Dipt. Exot.* i. 2. 179.

56. Pangonia castanea.

lia; proboscis corporis longitudine; alæ ad costam præsertim flavicantes.

ɔnia castanea, *Perty, Del. Anim. Artic. Bras.* 182, pl. 36, f. 8.
l.

57. Pangonia unicolor.

ɔm. *Rufa; oculi hirti; alæ fuscanæ.*

onia unicolor, *Macq. Dipt. Exot. Suppl.* i. 27, 34.
il.

58. Pangonia lingens.

ıbida; barba nivea; thorax albido lineatus, utrinque pilis niveis; abdomen incisuris flavo pilosis; alæ fuscæ.

ɣonia lingens, *Wied. Auss. Zweifl.* i. 87, 2. *Macq. Dipt. Exot.* 1, 103, 11.
:il.

59. Pangonia ardens.

Fœm. *Antennæ testaceæ, apice nigræ; oculi hirsuti; tho[illegible] rufescens; abdominis segmenta prima quatuor pilis [illegible] altera nigris; pedes rufi; alæ fuscanæ.*

Pangonia ardens, *Macq. Dipt. Exot.* i. 103, 13.
St. Leopold.

60. Pangonia rufa.

Fœm. *Rufa; oculi hirsuti; antennæ pedesque nigra; [illegible] venæ cubitalis furca antica simplex, areolæ externo-med[illegible] 1a 4a que apertæ.*

Pangonia rufa, *Macq. Dipt. Exot.* i. 1, 106, 19.
Lima.

61. Pangonia translucens.

Fœm. *Rufescens, tomentosa; oculi nudi; abdomen depr[illegible] elongatum, basi flavum, diaphanum, apice nigro; pedes [illegible]*

Pangonia translucens, *Macq. Dipt. Exot. Suppl.* i. 26, 33.
Brazil.

62. Pangonia prasiniventris.

Fœm. *Rufa; abdomen viride; alæ subfuscæ.*

Pangonia prasiniventris, *Macq. Dipt. Exot. Suppl.* i. 29, 37.
Colombia.

63. Pangonia viridiventris.

Fœm. *Oculi hirsuti; thorax testaceus; abdomen viride; [illegible] tennæ pedesque rufa; alæ venæ cubitalis furca antica [illegible] plici, areola externo-mediana 1a aperta.*

Pangonia viridiventris, *Macq. Dipt. Exot.* i. 1, 108, 23.
Chili.

64. Pangonia tabanipennis.

Fulva; oculi hirsuti; antennæ pedesque rufa; alæ fus-
:næ, venæ cubitalis furca antica simplici, areola externo-
ıediana 1*a aperta.*

a tabanipennis, *Macq. Dipt. Exot.* i. 1, 104, 16.

65. Pangonia fascipennis.

Fulva; thorax fusco univittatus; abdomen fusco fascia-
ım; alæ fasciis tribus transversis obliquis fuscis.

a fascipennis, *Macq. Dipt. Exot.* i. 1, 106, 20.

66. Pangonia cervus.

lo fusca; proboscis thorace longior; antennæ et pedes ferru-
ıinei; alæ flavo-fuscæ.

ia cervus, *M. B. Wied. Auss. Zweifl.* i. 94, 15.
a cervus, *Macq. Dipt. Exot.* i. 1, No. 1, pl. 15, f. 2.

Fœm. *Fusco-ferruginea, subtus fulva; antennæ arcuatæ,*
'urcatæ, ramosæ; proboscis corporis dimidio longior; pedes
'ulvi; alæ fusco-cinereæ.

nale. Brownish ferruginous, short. Eyes æneous, pubes-
ımposed of very small facets. Antennæ curved, somewhat
owards the base; third joint with a long curved horn, the
g joints with short branches. Proboscis much shorter than
y. Pectus and the under side of the abdomen tawny. Legs
Wings brownish gray; veins blackish; first branch of the
forming near its base a sharply defined and very slightly ob-
ıgle, from whence it rejects the rudiment; first externo-
vein forming the second branch of the cubital at some
e from the border. Length of the body 5½ lines; of the wings
3.

arem, Brazil. From Mr. Bates' collection.

Africa.

The species of this continent belong to the groups Nuera, Phara, and Scarphia.

67. Pangonia furcata.

Radio-fusca; antennæ ferrugineæ, dente longissimo; ala apiceque limpidis.

Pangonia furcata, *Wied. Aus. Zweifl.* i. 99, 22.
Dicrania furcata, *Macq.*
Brazil.

68. Pangonia adjuncta.

Pangonia adjuncta, *Cat. of Diptera*, Pt. 1, 135.

69. Pangonia fulvifascia.

Pangonia fulvifascia, *Cat. of Diptera*, Pt. 1, 137.

70. Pangonia parva.

Pangonia parva, *Cat. of Diptera*, Pt. 1, 145.

71. Pangonia conjuncta.

Pangonia conjuncta, *Cat. of Diptera*, Pt. 1, 135.

72. Pangonia multifaria.

Pangonia multifaria, *Cat. of Diptera*, Pt. 1, 134.

73. Pangonia sexfasciata.

Pangonia sexfasciata, *Cat. of Diptera*, Pt. 1, 13.

74. Pangonia alboatra.

ia alboatra, *Diptera Saundersiana*, Pt. 1, 136.

75. Pangonia obesa.

ia obesa, *Diptera Saundersiana*, Pt. 1, 14.

76. Pangonia directa.

ia directa, *Diptera Saundersiana*, Pt. 1, 20.

limpidæ.
'horax quinque vittatus.
Antennæ nigræ. - - - - - barbata, *Linn.*
Antennæ testaceæ. - - - - flavipes, *Macq.*
Thorax bivittatus. - - - - - gulosa, *M. B.*
Thorax non vittatus. - - - - cingulata, *M. B.*
: cinereæ aut subcinereæ.
Proboscis corpore longior. - - - rostrata, *Linn.*
Proboscis corpore brevior.
Antennæ nigræ.
a. Abdomen basi fulvum. - - - lateralis, *Fabr.*
b. Abdomen non basi fulvum. - - atricornis, *Wied.*
Antennæ ferrugineæ. - - - - bifasciata, *Wied.*
Antennæ testaceæ, apice nigræ - - caffra, *Drege.*
: fusco-cinereæ.
Abdomen nigrum, albo varium. - - angulata, *Wied.*
Abdomen fulvum, vitta nigra. - - subfascia, *Walk.*
æ flavo fuscescentes. - - - chrysostigma, *M. B.*
æ flavæ, apice fuscæ. - - - - chrysopila, *Macq.*
æ fuscæ.
Corpus nigrum.
. Antennæ testaceæ. - - - - crassipalpis, *Macq.*
. Antennæ nigræ. - - - - - funebris, *Macq.*
Corpus fuscum. - - - - Senegalensis, *Macq.*
Thorax fuscus. Abdomen pallidum.
.. Abdomen nigro vittatum. - - - varicolor, *M. B.*
. Abdomen nigro maculatum. - appendiculata, *Macq.*
æ infumatæ.
Proboscis thoracis longitudine. - - thoracica, *M. B.*
Proboscis thorace brevior. - - leucomelas, *M. B.*

G. Alæ nigræ. - - - - - - - melanopyga, W
H. Alæ flavescentes, fusco maculatæ. - - basalis, M
I. Alæ luteæ, apice fuscæ - - - - - nobilis, W
J. Alæ limpidæ fusco maculatæ. - - - spiloptera, W

77. Pangonia barbata.

Nigra, albido hirta; thorax quinque vittatus; abdomen fusc pedes rufescentes; alæ hyalinæ.

Tabanus barbatus, *Linn.*

Cape.

78. Pangonia flavipes.

Fœm. *Nigra; antennæ testaceæ; thorax vittis quinque ci abdomen fuscum, incisuris fuscanis; pedes rufi; a venæ fusco marginatæ, areola externo-mediana la clausa*

Pangonia flavipes, *Macq. Dipt. Exot.* i. 1, 98, 4.

Cape.

79. Pangonia gulosa.

Niger; antennæ pedesque fulva; thorax cinereo hirtus, alb tatus; abdomen nigrum, albo fasciatum; alæ limpidæ.

Pangonia gulosa, *M. B. Wied. Aus. Zweifl.* i. 99, 22.

Cape.

80. Pangonia cingulata.

Nigella, albo pilosa; abdomen incisuris luteis; tibiæ flav limpidæ.

Pangonia cingulata, *M. B. Wied. Aus. Zweifl.* i. 103, 29.

Cape.

81. Pangonia rostrata.

Schisticolor; proboscis corpore longior; antennæ nigræ. nigro vittatus; abdomen basi utrinque subtestaceum. nigri; alæ subcinereæ.

Tabanus rostratus, *Linn.*

Cape.

82. PANGONIA LATERALIS.

; antennæ articulo 3o basi fulvo; thorax albido quadrivittatus; abdomen basi fulvum maculis mediis nigris, apice igro fascia alba, pedes ferruginei; alæ cinereæ.

a lateralis, *Fabr.*

83. PANGONIA ATRICORNIS.

; thorax albido vittatus; abdomen incisuris albidis; alæ ubcinereæ.

ia atricornis, *Wied. Dipt. Exot.* i. 58, 13; *Auss. Zweifl.* i. 3, 28.

84. PANGONIA BIFASCIATA.

cescens; antennæ ferrugineæ; abdomen nigrum fasciis duabus albis, basi utrinque et incisuris ochraceis; pedes fulvescentes; alæ subcinereæ.

ia bifasciata, *Wied.*

85. PANGONIA CAFFRA.

. *Nigra; antennæ testaceæ apice nigræ; oculi nudi; abdominis incisuræ flavo tomentosæ; alæ subcinereæ, basi flavæ.*

ia caffra, *Drége; Macq. Dipt. Exot. Suppl.* 2, 11, 39.

86. PANGONIA ANGULATA.

; abdomen segmentis 2o et 4o margine toto, reliquis latere albis; alæ fusco cinereæ.

ia angulata, *Fabr.*

87. Pangonia subfascia.

Mas. *Nigra; caput testaceo tomentosum; palpi picei; proboscis thorace multo brevior; thorax testaceo quadrivittatus; abdomen fulvum, vitta dorsali apiceque nigris, maculis tribus trivittatum; pedes picei; alæ cinereæ, antice et apud apicem fuscæ, macula oblonga albida.*

Male. Black. Head clothed with pale testaceous tomentum and hairs. Palpi piceous. Proboscis much shorter than the [illegible]. Antennæ simple. Thorax with four testaceous stripes, the [illegible] pair much more slender than the lateral pair. Abdomen [illegible] black towards the tip, with a black dorsal stripe, and with [illegible] stripes of testaceous spots, the dorsal spots triangular and more [illegible] tinct than the others. Tibiæ piceous. Wings gray, ferruginous [illegible] front and about the veins, and with an oblong whitish spot [illegible] the stigma; first branch of the cubital vein forming a sharply [illegible] fined slightly obtuse angle, which rejects a rather long branch [illegible] anal vein joining the anal close to the border. Halteres testaceous. Length of the body 7 lines; of the wings 14 lines.

a. Port Natal. From Mr. Plant's collection.

88. Pangonia chrysostigma.

Nigra; antennæ et pedes ferruginea; thorax limbo aurato, abdomen maculis auratis; alæ flavo fuscescentes.

Pangonia chrysostigma, *M. B. Wied. Auss. Zweifl.* i. 100, 34.

Cape.

89. Pangonia chrysopila.

Nigra; antennæ testaceæ; thorax maculis lateralibus posticis aureo pilosis; abdominis segmenta 2um, 4um et 5um [illegible] aureo pilosis, 6um et 7um marginibus posticis fulvis; [illegible] testacei; alæ flavæ apice fuscæ.

Pangonia chrysopila, *Macq. Hist. Nat. Dipt.* i. 194, 9.

Africa.

90. Pangonia crassipalpis.

Nigra; palpi crassi; antennæ testaceæ; pedes rufi, femoribus fuscis; alæ fuscanæ.

a crassipalpis, *Macq. Dipt. Exot.* i. 98, 3, pl. 14, f. 1.

91. Pangonia funebris.

, *nitida; abdominis segmenta ultima rubro limbata; alæ uscæ.*

a funebris, *Macq. Dipt. Exot. Suppl.* 1, 23, 26. *Explorat. cient. de l'Algerie, An. Artic. Atlas Dipt.* pl. 1, f. 5.

92. Pangonia Senegalensis.

; *antennæ nigricantes, apice testaceæ; abdominis segmenta apicalia lateribus flavo pilosis; pedes nigricantes; alæ fuscescentes, venæ cubitalis furca antica simplici.*

ia Senegalensis, *Macq. Hist. Nat. Dipt.* i. 193, 6.

l.

93. Pangonia varicolor.

a; antennæ ferrugineæ; abdomen ferrugineum, vitta nigra postice dilatata; pedes ferruginei; alæ fuscanæ.

ia varicolor, *M. B. Wied.*

94. Pangonia appendiculata.

1. *Antennæ fulvæ; thorax fuscus; abdomine fulvum, maculis dorsalibus nigricantibus; pedes fulvi; alæ fuscanæ, areola externo-mediana 1a semiaperta, discalis margine postico appendiculato.*

nia appendiculata, *Macq. Dipt. Exot.* i. 97, 1, pl. 13, f. 2.

95. Pangonia thoracica.

Nigra; thorax subcinereo glaucescens; abdomen fascia lon alba; alæ infumatæ.

Pangonia thoracica, *M. B. Wied. Auss. Zweifl.* i. 89, 5.
Cape.

96. Pangonia leucomelas.

Nigella; thorax utrinque albo pilosus; abdomen versus fascia utrinque latiore alba; alæ infumatæ.

Pangonia leucomelas, *M. B. Wied.*
Cape.

97. Pangonia melanopyga.

Pangonia melanopyga, *Wied. Macq. Dipt. Exot.* i. 1, 97, 2.
Cape.

98. Pangonia basalis.

Fœm. *Nigra; caput, abdomen basi pedesque fulva; alæ i centes, fusco maculatæ, venæ cubitalis furca antica simp*

Pangonia basalis, *Macq. Dipt. Exot. Suppl.* 2, 10, 38.
Pangonia maculata, *Var.?*
Oran.

99. Pangonia nobilis.

Nigra; antennæ ferrugineæ; thorax punctis, abdomen fuc punctisque auratis; pedes fulvi; alæ luteæ, apice fusca.

Pangonia nobilis, *Wied. Auss. Zweifl.* ii. 622, 15.
Cape.

100. Pangonia spiloptera.

Nigro, flavido hirta; antennæ articulo 3o rufo; abdomen olivaceum, incisuris fulvo hirtis; tibiæ posticæ plerum fulvescentes; alæ limpidæ, macula apicali fusca.

Pangonia spiloptera, *Wied.*
Cape.

East Indies.

: species in this region belong to the group Nuceria.

101. PANGONIA LONGIROSTRIS.

, *testaceo hirta ; proboscis corpore fere triplo longior, abdo-*
ninis latera antica pedesque fulva ; alæ cinereæ, basi costaque
uridis.

ia longirostris, *Hardw.*

:an.

102. PANGONIA AMBOINENSIS.

; *antennæ luteæ ; thorax albido lineatus ; abdomen maculis*
ateralibus incisurisque ferruginosis, ventre fulvo ; pedes tes-
acei ; alæ fusco cinereæ.

ia Amboinensis, *Fabr.*

ıdies. Amboina.

103. PANGONIA LASIOPHTHALMA.

ı ; *thorax pilis flavescentibus ; abdomen lateribus subalbi-*
cantibus, basi testaceum ; pedes fulvi ; alæ fasciis duabus
abbreviatis fuscis, venæ cubitalis furca antica simplici.

ıia lasiophthalma, *Macq. Hist. Nat. Dipt.* i. 193, 7.

·uinea.

New Holland.

ıecies belonging to the subgenera Scaptia, Pangonia, Clanis,
ına, and Lilæa.

104. PANGONIA CONJUNGENS.

nia conjungens, *Cat. of Diptera*, Pt. 1, 140.

105. PANGONIA GEMELLA.

Pangonia gemella, *Cat. of Diptera*, Pt. 1, 139.

106. PANGONIA LURIDA.

Pangonia lurida, *Cat. of Diptera*, Pt. 1, 140.

107. PANGONIA QUADRIMACULA.

Pangonia quadrimacula, *Cat. of Diptera*, Pt. 1, 138.

108. PANGONIA FULIGINOSA.

Pangonia contigua, *Cat. of Diptera*, Pt. 1, 138.
Pangonia fuliginosa, *Boisd. Voy. de l'Astrolabe*, *Ent. Dipt.* pl. f. 13.

109. PANGONIA GEMINA.

Pangonia gemina, *Cat. of Diptera*, Pt. 1, 138.

110. PANGONIA MEDIA.

Pangonia media, *Cat. of Diptera*, Pt. 1, 142.

111. PANGONIA SOLIDA.

Pangonia solida, *Cat. of Diptera*, Pt. 1, 141.

112. PANGONIA CRASSA.

Pangonia crassa, *Cat. of Diptera*, Pt. 1, 144.

113. PANGONIA GIBBULA.

Pangonia gibbula, *Cat. of Diptera*, Pt. 1, 140.

114. PANGONIA PLANA.

Pangonia plana, *Cat. of Diptera*, Pt. 1, 144.

115. Pangonia submacula.

ıgonia submacula, *Cat. of Diptera*, Pt. 1, 142.

116. Pangonia inconspicua.

ıgonia inconspicua, *Cat. of Diptera*, Pt. 1, 136.
ıgonia Jacksoniensis, *Guér. Voy. de la Coquille Ins.* pl. 20, f. 3.

Melbourne. From Mr. Baly's collection.

117. Pangonia tricolor.

ngonia tricolor, *Cat. of Diptera*, Pt. 1, 139.

118. Pangonia concolor.

ngonia concolor, *Diptera Saundersiana*, Pt. 1, 14.

119. Pangonia constans.

ngonia constans, *Diptera Saundersiana*, Pt. 1, 15.

120. Pangonia divisa.

ngonia divisa, *Diptera Saundersiana*, Pt. 1, 17.

. Corpus nigrum.
A. Alæ fusco variegatæ. - - - - guttata, *Donov.*
B. Alæ fusco non variegatæ.
A. Thorax vittatus. - - - - auriflua, *Donov.*
B. Thorax non vittatus.
a. Abdomen apice auratum. - - - aurata, *Macq.*
b. Abdomen apice non auratum.
i. Abdomen maculis aureis. - - - dives, *Macq.*
ii. Abdomen maculis albidis. - - clavata, *Macq.*
. Thorax niger.
A. Abdomen rufum. - - - - Jacksonii, *Macq.*
B. Abdomen fulvum. - - - - bicolor, *Macq.*
. Thorax cinereus. Abdomen nigrum. - ruficornis, *Macq.*
). Corpus fuscum.

A. Pedes fusci. - - - - - - macroporum, Ma
B. Pedes rufi. - - - - - - albicostata, Ma
E. Thorax castaneus. Abdomen nigrum. - - dorsalis, Ma
F. Thorax niger.
A. Abdomen testaceum. - - - fulviventris, Ma
B. Abdomen fulvum. - - - - - angusta, Ma
G. Thorax flavidus. Abdomen fulvum. - - brevipalpis, M
H. Corpus testaceum. - - - - - - testacea, M
I. Corpus ferrugineum. - - - - - - Roei, M

121. Pangonia guttata.

Nigra; thorax vittis duabus marginibusque externis, ab guttis mediis strigisque lateralibus albis; alæ fusco vari

Tabanus guttatus, *Donovan. Wied. Auss. Zweifl.* i. 194. *Guér. Voy. de la Coquille Ins.* pl. 20, f. 10.

Australia.

122. Pangonia auriflua.

Niger; thoracis lineolæ duæ virides; abdominis puncta quatuor alba, anus aureus.

Tabanus aurifluus, *Donov. Gen. Illustr. Ent.* i. pl. *Hym.* et fig. *Wied. Auss. Zweifl.* i. 194, 125.

New Holland.

123. Pangonia aurata.

Fœm. *Nigra; antennæ rufæ, apice fusco; oculi hirsuti; co men maculis dorsalibus incisurisque flavis, segmentis tri ultimis auratis; pedes rufi, tibiis posticis fuscis; ale cubitalis furca antica simplici, areola externo-medias aperta.*

Pangonia aurata, *Macq. Dipt. Exot.* i. 1, 100, 7.

New Holland.

124. Pangonia dives.

Nigra; thorax cinereus, tomentosus; abdominis incisuræ macula dorsales aureæ; oculi hirti; alæ hyalinæ.

Pangonia dives, *Macq. Dipt. Exot. Suppl.* 1, 25, 30.

Tasmania.

125. Pangonia clavata.

Mas. *Nigra; palpi fusco testacei; oculi hirsuti; thorax albido vittatus; abdomen albido maculatum; tibiæ anteriores testaceo fuscæ; alæ cinereæ ad costam subflavæ, venæ cubitalis furca antica simplici, areola externo-mediana* 1a *semiaperta.*

w Holland.

126. Pangonia Jacksonii.

Antennæ rufæ; oculi hirsuti, thorax niger; abdomen rufum, maculis dorsalibus nigris; pedes rufi; alæ ad costam fulvæ.

ngonia Jacksonii, *Macq. Dipt. Exot.* i. 1, 102, 10.

w Holland.

127. Pangonia bicolor.

Fœm. *Nigra; oculi hirsuti; antennæ testaceæ; abdomen fulvum, maculis fasciisque nigris; alæ subcinereæ, venæ cubitalis furca antica simplici, areola externo-mediana* 1a *clausa.*

angonia bicolor, *Macq. Dipt. Exot. Suppl.* 1, 24, 29.

ew Holland.

128. Pangonia ruficornis.

Fœm. *Cinerea; oculi hirti; antennæ pedesque rufa; thorax vittis fuscis; abdomen nigrum, incisuris maculisque dorsalibus flavis, lateribus rufis.*

angonia ruficornis, *Macq. Dipt. Exot. Suppl.* 1, 25, 31.

asmania.

129. Pangonia macroporum.

Fœm. *Obscure fusca; oculi hirsuti; antennæ testaceæ; pedes fusci; alæ cinereæ, albido vittatis, nigro-fusco unimaculatæ.*

Pangonia macroporum, *Macq. Dipt. Exot.* i. 1, 101, 8, pl. 15, f. 2.

Kangaroo Island.

130. Pangonia albicostata.

Fusca; oculi hirti; abdominis incisuræ maculæque dorsi aureæ; antennæ pedesque rufa; alæ subcineræ.

Pangonia albicostata, *Macq. Dipt. Exot. Suppl.* 1, 24, 28
New Holland.

131. Pangonia dorsalis.

Mas. *Thorax castanus; abdomen nigrum, maculis dorsi lateralibusque albis; pedes nigri; alæ areola externo-media aperta.*

Pangonia dorsalis, *Macq. Dipt. Exot.* i. 1, 100, 6.
New Holland.

132. Pangonia fulviventris.

Mas. *Testacea; thorax niger; abdomen maculis dorsalibus flavicantibus; alæ basi flavicantes.*

Pangonia fulviventris, *Macq. Dipt. Exot.* i. 1, 109, 25.
New Holland?

133. Pangonia angusta.

Mas. *Fulva; thorax, tibiæ posticæ tarsique nigra; alæ hyalinæ basi costaque flavescentibus.*

Pangonia angusta, *Macq. Dipt. Exot. Suppl.* 2, 11, 40.
New Holland.

134. Pangonia brevipalpis.

Mas. *Fulva; thorax flavidus, vittis pallidis; abdominis incisuræ flavæ; alæ basi costaque flavis.*

Pangonia brevipalpis, *Macq. Dipt. Exot. Suppl.* 3, 8, 38.
New Holland.

135. PANGONIA TESTACEA.

ɪem. *Testacea; oculi hirsuti; antennæ pedesque rufa; alæ subcinereæ basi flavescentes, venæ cubitalis furca antica simplici, areola externo-mediana* 1*a semiaperta.*

gonia testacea, *Macq. Dipt. Exot.* i. 1, 99, 5.

ʳ Holland.

136. PANGONIA ROEI.

'*erruginea, nitida; proboscis brevis; abdomen subtus testaceum; alæ fulvo-hyalinæ, apice margineque postico saturatioribus fasciisque duabus mediis obscuris marginalibus.*

ıgonia Roei, *King.*

ʷ Holland.

New Zealand.

137. PANGONIA LERDA.

ngonia Lerda, *Diptera Saundersiana*, Pt. 1, 16.

138. PANGONIA ADREL.

ıngonia Adrel, *Diptera Saundersiana*, Pt. 1, 16.

Country unknown.

139. PANGONIA HEBES.

ıngonia hebes, *Cat. of Diptera*, Pt. 1, 137.

140. PANGONIA INCONSPICUA.

'angonia inconspicua, *Cat. of Diptera*, Pt. 1, 136.

141. PANGONIA PATULA.

'angonia patula, *Cat. of Diptera*, Pt. 1, 144.

142. Pangonia fasciata.

Flavescens; antennæ nigræ, basi fuscæ; thorax nigro trivittat scutello cinereo; abdominis segmenta antice nigra post albida; pedes fulvi; alarum venæ fusco marginatæ, areola posterior aperta.

Pangonia fasciata, *Macq. Hist. Nat. Dipt.* i. 194, 8.

Genus 2. RHINOMYZA.

Oculi maximi, mare contigui. Proboscis porrecta, adscend longa. Palpi basi proboscidis inserti, triarticulæti; articulus brevissimus; 2us longior; 3us 2o multo longior. Antennæ 7-a culatæ; articulus 1us cylindricus, breviusculus; 2us cyathifor 3us et sequentes quasi unum fingentes elongatum paullo recurv

Rhinomyza, *Wied. Nova. Dipt. Gen.* 8; *Auss. Zweifl.* i. 10 *Macq.*

1. Rhinomyza fusca.

Fusca; antennæ nigræ; abdomen basi et medio ferrugine pedes nigro-fusci; alæ fuscæ, maculis duabus flavidis.

Rhinomyza fusca, *Wied. Nova Dipt. Gen.* 8; *Dipt. Exot.* 59, 1; *Auss. Zweifl.* i. 104, 1.

Java.

2. Rhinomyza edentula.

Nigra, nitens, cinereo hirta; abdomen basi utrinque macula tacea; tibiæ fuscæ; alæ limpidæ.

Rhinomyza edentula, *Wied. Auss. Zweifl.* i. 105, 2.

Cape.

Genus 3. ERODIORHYNCHUS.

Ocelli tres. Proboscis longa, incumbens. Antennæ 7-articulatæ, articulo 3o non exciso. Alarum venæ cubitalis furca simplex.

Erodiorhynchus, *Serville, MSS. Macq.*

ediastinal vein ending at two-thirds of the length of the Subcostal ending at three-fourths of the length. Radial at about half the distance between the subcostal and the tip wing. First branch of the cubital simple, very slightly , forming a slightly obtuse angle near its base; second ending on the hind border far from the tip. Four complete e externo-medial veins. Subanal vein united to the anal the border. Discal areolet narrow, elongated, hexagonal.

1. Erodiorhynchus eristaloides.

er; thorax cinereo pilosus; abdominis segmentorum 1i et 2i latera tibiæque rufa; alæ hyalinæ, basi et ad costam subflavæ.

rhynchus eristaloides, *Macq.*

Genus 4. ECTENOPSIS.

celli tres. Proboscis longa, incumbens. Antennæ 7-articu- rticulo 3o non exciso. Alarum venæ cubitalis furca 1a m emittens.

psis, *Macq.*

ostal vein ending at the tip of the wing. Mediastinal ending re two-thirds of the length. Subcostal ending before three of the length. Radial ending at beyond half the distance n the subcostal and the tip of the wing. First branch of the ending at a little nearer to the tip of the wing than to the angular near its base, and emitting an extremely short from the angle; second branch ending on the hind border m the tip of the wing. Four complete externo-medial veins. al vein united to the anal close to the border. Discal areolet larly pentagonal, much elongated.

1. Ectenopsis vulpecula.

uginea; antennæ apice nigræ; pedes nigri; alæ fumato-cinereæ, basi ferrugineæ.

ops vulpecula, *Wied.*

Genus 5. DICHELACERA.

Facies convexa. Proboscis brevis, gracilis. Palpi fere cylindrici. Antennæ 7-articulatæ, articulo 3o cornuto. Alæ sæpissime vittatæ.

Dichelacera, *Macq.*
Chrysops, p., *Fabr.*
Tabanus, p., *Wied.*

Costal vein ending at the tip of the wing. Mediastinal ending at before two-thirds of the length. Subcostal ending at three-fourths of the length. Radial ending at much beyond the distance between the subcostal and the tip of the wing. branch of the cubital simple, curved, ending at half the between the radial and the tip of the wing, forming a rounded near its base; second branch ending on the hind border far from tip of the wing. Four complete externo-medial veins. vein united to the anal very near the border. Discal areolet gonal, much elongated.

North America.

1. Dichelacera ferrugata.

Glaucus; thoracis limbus ferrugineus; abdomen ferrugineum apice fuscum; alæ medio apiceque fuscæ.

Chrysops ferrugatus, *Fabr.*
Carolina.

2. Dichelacera fasciata.

Dichelacera fasciata, *Diptera Saundersiana*, Pt. 1, 68.
North America.

Mexico.

3. Dichelacera scapularis.

Fœm. *Nigra; facies antennæque basi fulvæ; scapulæ, abdominis segmentum 1um incisuræque flavida; pedes fusci, femoribus anticis basi fulvis; alæ hyalinæ, marginibus fuscis.*

Dichelacera scapularis, *Macq. Dipt. Exot. Suppl.* 2, 15, 9.

West Indies.

4. DICHELACERA ABIENS.

ıcera abiens, *Cat. of Diptera*, Pt. 1, 191.

South America.

5. DICHELACERA ALCICORNIS.

ıcera alcicornis, (*Wied.*) *Cat. of Diptera*, Pt. 1, 190.

6. DICHELACERA REPANDA.

ıcera repanda, *Cat. of Diptera*, Pt. 1, 190.
ıela.

7. DICHELACERA BIFACIES.

ıcera bifacies, *Cat. of Diptera*, Pt. 1, 191.
ı.

8. DICHELACERA PRÆTEREUNS.

ıcera prætereuns, *Diptera Saundersiana*, Pt. 1, 69, pl. 2, 6.
America.

9. DICHELACERA VACILLANS.

ıcera vacillans, *Diptera Saundersina*, Pt. 1, 70.

10. DICHELACERA MULTIFASCIA.

ıcera multifascia, *Diptera Saundersiana*, Pt. 1, 68.

11. DICHELACERA SPARSA.

ıcera sparsa, *Diptera Saundersiana*, Pt. 1, 71.

A. Thorax niger.
  A. Scutellum nigrum.
    A. Alæ fusco fasciatæ. - - - - - longicornis, M
    B. Alæ flavescentes. - - - - - fulvohirta, W
  B. Scutellum testaceum. - - - fuscipennis, M
B. Thorax nigro-fuscus. - - - - - damicornis, F
  A. Scutellum nigro-fuscum.
  B. Scutellum ferrugineum. - - - transposita, F
C. Thorax fuscus. - - - - - - immaculata, W
D. Thorax rufus. - - - - - - capreolus, W
E. Thorax fulvus.
  A. Thorax fusco fasciatus. - - - T-nigrum, F
  B. Thorax non fasciatus.
    A. Alæ non fasciatæ. - - - - - marginata, M
    B. Alæ fasciatæ. - - - - - - rufa, M
    C. Alæ vittatæ. - - - - - - hinnulus, F
F. Thorax flavus.
  A. Alæ fasciatæ. - - - - - - - Januarii, M
  B. Alæ maculatæ. - - - - - - cervicornis, F
  C. Alæ croceæ, apice infumatæ. - - - flava, F
G. Thorax testaceus. - - - - - - testacea, M
H. Thorax albidus.
  A. Thorax fasciatus. - - - - - - alcicornis,
  B. Thorax non fasciatus. - - - unifasciata,

12. Dichelacera longicornis.

Fœm. *Nigra; antennæ rufæ, capite longiores; abdomen suris flavis; tibiæ flavicantes; alæ margine externo fusco obliqua fuscis.*

Dichelacera longicornis, *Macq. Dipt. Exot.* i. 1, 114, 2, f. 2.

Brazil.

13. Dichelacera fulvohirta.

Nigra, fulvo hirta; antennæ dente validissimo elongato; intermedii omnino, ceteri geniculis tarsisque ferrugineis; alæ flavescentes.

Tabanus fulvohirtus, *Wied. Auss. Zweifl.* i. 155, 70.

Brazil.

14. Dichelacera fuscipennis.

n. *Nigra; scutellum testaceum; abdominis incisuræ flavidæ; tibiæ fulvæ, basi albæ, apice nigræ; alæ fuscæ, basi hyalinæ.*

ocera fuscipennis, *Macq. Dipt. Exot. Suppl.* 2, 14, 7.

15. Dichelacera damicornis.

ro-fusca; antennæ nigræ, basi ferrugineæ, dente incurva sat longa; thorax fasciis duabus fulvis; abdomen basi pallidius; alæ fusco pictæ.

ıus damicornis, *Fabr. Syst. Antl.* 101, 36. *Wied. Dipt. Exot.* i. 87, 45; *Auss. Zweifl.* i. 159, 75.

America.

16. Dichelacera transposita.

m. *Nigro-picea; caput subtus albo tomentosum; palpi ferruginei; thoracis latera et scutellum obscure ferruginea; abdominis segmenta marginibus posticis canis; tibiæ anticæ albæ, apice nigræ; alæ subcinereæ, vitta costali fasciisque duabus nigro-fuscis.*

nale. Piceous black. Head clothed beneath with white ıtum and down. Eyes æneous. Proboscis and palpi ferrugi- Antennæ slightly curved; horn curved, moderately long. ıx slightly ferruginous on each side. Scutellum ferruginous. borders of the abdominal segments hoary. Fore tibiæ white, towards their tips. Wings slightly gray, blackish brown along osta to beyond three-fourths of the length, and with two black-rown bands, the first at the base, extending obliquely to the border, the second beyond the middle; veins black; first fork ıe cubital vein simple, forming an oblique and somewhat ded angle near the base. Subanal vein joining the anal near ›order. Length of the body 4½ lines; of the wings 9 lines.

'est Coast of America. Presented by Capt. Kellett and Lieut. 'ood.

17. Dichelacera immaculata.

Fœm. *Antennæ, abdomen pedesque rufa; thorax fusco; a immaculatæ.*

Dichelacera immaculata, *Macq. Dipt. Exot.* i. 1, 115, 4.
Brazil.

18. Dichelacera capreolus.

Intense rubida; antennæ rufo-fuscæ dente armatæ, apice w thorax nigro trivittatus; alæ ima basi, vitta versus ler macula magna pone medium fuscis.

Tabanus capreolus, *Wied. Auss. Zweifl.* i. 162, 78.
Brazil.

19. Dichelacera T-nigrum.

Fulva; thorax fusco fasciatus; antennæ dente elongato; a men apice fuscum; alæ flavidæ, costa fascia vittisque d fuscis.

Tabanus T-nigrum, *Fabr. Syst. Antl.* 101, 38. *Wied. Auss. Z* i. 160, 76.
South America.

20. Dichelacera marginata.

Fœm. *Fulva; abdominis apex fusca, incisuris flavis; a antici posticique fusci; alæ hyalinæ, marginibus fuscis*

Dichelacera marginata, *Macq. Dipt. Exot. Suppl.* 2, 14, 8.
Cayenne.

21. Dichelacera rufa.

Fœm. *Fulva; antennæ apice fuscæ; tarsi antici fusci; a flavæ, fascia obliqua irregulari maculaque fuscis.*

Dichelacera rufa, *Macq. Dipt. Exot. Suppl.* 2, 13, 6.
Dichelacera Januarii, Var.?
Brazil.

22. Dichelacera hinnulus.

: *antennæ apice nigræ; tibiæ posticæ apice necnon tarsi ıtici posticique picea; alæ limpidæ, apice cinereæ, costa ttaque fulvis.*

:era hinnulus, *Walk. Zool.* viii. *Append.* cxxii.

From Mr. Bates' collection.

23. Dichelacera Januarii.

la; antennæ dente elongato; thorax et abdomen fusco fasiata; alæ ad costam late fuscæ, macula silacea, fascia bliqua punctoque fuscis.

ɜ Januarii, *Wied. Zool. Mag.* iii. 43, 4; *Dipt. Exot.* i. 94, ; *Auss. Zweifl.* i. 162, 79.

ıeiro.

24. Dichelacera cervicornis.

:*dus; antennæ ferrugineæ, apice nigræ, dente elongato; thorax fascia fusca; pedes pallide flavi, tibiis posticis tarsisque nigris; alæ fusco maculatæ.*

ıs cervicornis, *Fabr. Syst. Antl.* 100, 35. *Wied. Dipt. Exot.* 79, 32; *Auss. Zweifl.* i. 157, 73.

America.

25. Dichelacera flava.

ntissime flava; antennæ ferrugineæ, dente elongata incurva; alæ croceæ, apice infumatæ.

us flavus, *Wied. Auss. Zweifl.* i. 163, 80.

Video.

26. Dichelacera testacea.

n. *Testacea; antennæ apice nigræ; abdomen maculis dorsalibus flavis, apice fuscum; pedes fulvi; alæ flavidæ, fasciis duabus fuscis.*

lacera testacea, *Macq. Dipt. Exot. Suppl.* i. 29, 5.

ıbia.

27. Dichelacera alcicornis.

Albida; antennæ dente elongato; thorax vittis tribus pu[illegible] fluentibus; abdomen flavidum, fusco fasciatum; al[illegible] fasciatæ.

Tabanus alcicornis, *Wied.*

Brazil.

28. Dichelacera unifasciata.

Fœm. *Antennæ ferrugineæ; thorax albicans; abdomen f[illegible] fasciis fuscis; femora flava, tibiæ fuscæ; alæ m[illegible] terna fasciaque obliqua fuscis.*

Dichelacera unifasciata, *Macq. Dipt. Exot.* i. 1, 115, 3.

Brazil.

Africa.

29. Dichelacera binotata.

Mas et Fœm. *Rufa; abdominis segmentum 2um maculis [illegible] rufis; alæ basi fascia transversa maculaque postica fus[illegible]*

Dichelacera binotata, *Macq. Dipt. Exot.* i. 1, 113, 1.

Cape.

Genus 6. TABANUS.

Corpus magnum aut maximum, oblongum, sæpissime nig[illegible] tomento et pilis pallidioribus. Ocelli nulli. Palpi maris cap[illegible] fœminæ subulati. Antennæ 7-articulatæ, subretusæ; articulus [illegible] cylindricus, subclavatus, apice truncatus; 2us cyathiformis: [illegible] compressus, supra excisus. Alæ divaricatæ; areola analis rec[illegible]

Tabanus, *Fall. Dipt. Suec.; Meig.; Macq.; Zett.; Curt.; W[illegible] Zeller.*

Tabanus, p., *Linn.; Fabr.; Latr.; Wied.*

Costal vein ending at the tip of the wing. Mediastinal [illegible] before two-thirds of the length. Radial ending at a little [illegible]

hs of the length. First branch of the cubital curved, is angular and often forked near its base, ending at half ce between the radial and the tip of the wing; second ding on the hind border very far from the tip. Four com-no-medial veins. Subanal generally united to the anal order. Discal areolet elongated, hexagonal.

1. TABANUS DECISUS.

decisus, *Cat. of Diptera*, Pt. 1, 171.

2. TABANUS INFUSUS.

infusus, *Diptera Saundersiana*, Pt. 1, 23.

impidæ.
e unicolores.
bdomen plus minusve ferrugineum aut flavum.
Abdomen flavo maculatum et fasciatum.
chlorophthalmus, *Meig.*
. Abdomen segmentis postice fulvis. - sudeticus, *Zeller.*
. Abdomen ferrugineum, vtta nigra. - græcus, *Fabr.*
. Abdomen maculis lateralibus ferrugineis. lateralis, *Meig.*
Abdomen utrinque luridum. - - montanus, *Meig.*
Abdomen nigrum.
. Abdomen albo non maculatum.
i. Tibiæ fulvæ. - - - - - rusticus, *Linn.*
ii. Tibiæ albidæ. - - - sublunaticornis, *Zett.*
b. Abdomen basi albo villosum. - tricolor, *Zeller.*
c. Abdomen albo maculatum.
i. Antennæ nigræ.
1. Tibiæ testaceæ. - - - nigricornis, *Zett.*
2. Tibiæ rufescentes. - - - scalaris, *Hoffm.*
ii. Antennarum articulus ultimus basi ferrugineus.
confinis, *Zett.*
iii. Antennæ fusco ferrugineæ. - maculicornis, *Zett.*
Alæ basi flavæ. - - - - - ruralis, *Zett.*
Alæ ad costam subflavescentes. - - - plebeius, *Fall.*
Alæ ad costam ferrugineæ. - - - rufipes, *Meig.*
Alæ basi et ad costam subfulvæ. - - - alpinus, *Schr.*
Alæ ad costam et apud venas ochraceæ. maroccanus, *Fabr.*
Alæ venis ex parte fusco limbatis. - - signatus, *Wied.*
Alæ strigis flavescentibus. - - fulvicornis, *Meig.*

I. Alæ macula media fusca. - - - umbrinus.
J. Alæ submaculatæ. - - - - albomaculatus.
K. Alæ venarum marginibus nubecuiaque obscurioribus. nigerrimus.
L. Alæ cinereo strigatæ.
B. Alæ subalbidæ apud venas paullo obscuriores. carbonatus.
C. Alæ sublimpidæ. - - - - - atricornis.
A. Antennæ atræ.
B. Antennæ basi ferrugineæ. - - punctifrons.
D. Alæ subcinereæ. - - - - - - cordiger.
A. Alæ unicolores.
A. Abdomen fusco maculatum. - - flaviceps.
B. Abdomen cinereo maculatum. - - nemoralis.
C. Abdomen albido maculatum.
a. Antennæ nigræ. - - - - latifrons.
b. Antennæ fulvæ. - - - - glaucus.
D. Abdomen ferrugineo maculatum.
a. Antennæ fuscæ, basi testaceæ. - - lunulatus.
b. Antennæ fulvæ, apice fuscæ. - glaucopis.
E. Abdomen fulvo maculatum. - - - bromius.
F. Abdomen flavicante maculatum. - 4-notatus.
B. Alæ ad costam flavescentes. - - dimidiatus.
C. Alæ ad costam fusco ferrugineæ. - - borealis.
D. Alæ ad costam fuscæ. - - - lateralis.
E. Alæ basi et ad costam fulvæ. - - bovinus.
F. Alæ venis transversis fuscatis. - - - auripilus.
E. Alæ cinereæ.
A. Alæ unicolores. - - - - - autumnalis.
B. Alæ basi et ad costam fuscescentes.
A. Abdomen albo maculatum. - - - lugubris.
B. Abdominis latera ferruginea. - - lapponicus.
C. Abdominis latera fulva.
a. Antennæ nigræ, basi ferrugineæ. - luridus.
b. Antennæ ferrugineæ, apice nigræ. - solstitialis.
c. Alæ basi et ad costam fulvæ. - - tropicus.
D. Alæ subcinereo fuscæ. - - - austriacus.
F. Alæ cinereo fuscescentes, basi flavescentes. - albipes.
G. Alæ fusco-cinereæ. - - - - spodopterus.
H. Alæ subfuscescentes.
A. Alæ unicolores. - - - - - atricornis.
B. Alæ ad costam fuscæ.
A. Tibiæ nigræ. - - - - aterrimus.
B. Tibiæ albidæ. - - - - - apricus.

Alæ ad costam ferrugineæ. - - ferrugineus, *Meig.*
Alæ ad costam flavæ. - - bimaculatus, *Macq.*
Alæ ad costam et apud venas flavo-fuscæ.
Tarandinus, *Linn.*
usco nebulosæ. - - - - Istriensis, *Meig.*
uscæ.
ıdomen omnino nigrum. - - carbonarius, *Meig.*
ıdomen apice albo villosum. - - - morio, *Fabr.*
fuscæ, vitta limpida. - - - maculipennis, *Brullé.*
fuliginosæ. - - - - - fuscatus, *Macq.*
flavo fuscescentes. - - - anthracinus, *Hoffm.*

3. Tabanus chlorophthalmus.

r; *oculi smaragdini, fasciis tribus atro purpureis; antennæ ferrugineæ; thorax flavicante pilosus, vittatus; abdomen flavo maculatum et fasciatum; tibiæ flavæ, apice nigræ; alæ hyalinæ.*

ıs chlorophthalmus, *Megerle; Meig. Zweifl.* ii. 58, 36.

4. Tabanus sudeticus.

li *nudi, maris areolis inferne minutissimis; abdomen nigrum, lateribus antice vix badium, segmentis postice late fulvis, serie triangularum brevium flavescentium dorsali nigro cincta; femora nigro pilosa.*

us sudeticus, *Zeller, Iris,* 1842, 815, 2, f. 5—8.
a.

5. Tabanus græcus.

ıro-*fuscus; antennæ fulvæ, apice nigræ; abdomen ferrugineum, cano micans, vitta dorsali apiceque nigricantibus; tibiæ fulvæ, apice fuscæ; alæ hyalinæ.*

ıus græcus, *Fabr.*

ıly. From Dr. Leach's collection.
terlacken, Switzerland. Presented by F. Walker, Esq.

6. Tabanus lateralis.

Niger; abdominis segmenta tria antica maculis lateralibus gineis; pedes picei; alæ limpidæ.

Tabanus lateralis, *Megerle; Meig.*

7. Tabanus montanus.

Nigro-fuscus; frons fœminæ *flavicans, callo lineolaque abdomen utrinque luridum, vitta media nigricante; fulvæ, apice fuscæ; alæ hyalinæ.*

Tabanus montanus, *Meig. Zweifl.* ii. 55, 31.

8. Tabanus rusticus.

Nigricans, dense flavo-cinereo hirtus; abdomen maris fœminæ *seriebus quatuor maculis fuscis; antennæ apice fuscæ; pedes fulvi, tarsis anticis femoribusque alæ limpidæ.*

Tabanus rusticus, *Linn. Zett. Dipt. Scand.* i. 119, 21.

9. Tabanus sublunaticornis.

Mas. *Niger, undique cinereo villosus; oculi ænescentes tra sim purpureo subunilineati, linea infra medium oculi; tibiæque basi, alba; antennarum articulus ultimus fu abdominis segmenta margine albo ciliata; alæ immacu*

Tabanus sublunaticornis, *Zett. Dipt. Scand.* i. 118, 20.

Norway.

10. Tabanus tricolor.

Oculi hirti, sine fascia; thorax niger, macula laterali ac postica cum scutello albo villosis; abdomen nigrum, ba villosum, ano late ferrugineo hirto.

Tabanus tricolor, *Zeller, Isis*, 1842, 819, 1, f. 23—25.

South Russia.

11. Tabanus nigricornis.

Mas. *Niger; oculi ænescentes transversim purpureo subunilineati, linea in medio oculi distincta; palpi sordide albidi; abdominis segmenta margine tenuiter ferrugineo ciliata, antica lateribus ferrugineis; alæ subimmaculatæ.*

banus alpinus, *Zett. Ins. Lapp.* 506, 7; *Dipt. Scand.* i. 116, 6; viii. 2938, 16.

Fœm. *Nigricans; oculi ænescentes transversim purpureo trilineati, linea media in medio oculi; palpi albi; antennæ atræ; thorax albido lineatus; abdomen cinereo trifariam maculatum; tibiæ basi testaceæ; alæ immaculatæ.*

banus nigricornis, *Zett. Dipt. Scand.* i. 112, 12; viii. 2937, 12.

reden.

12. Tabanus scalaris.

Nigricans; thorax albo lineatus; abdomen trifariam albo maculatum, maculis lateralibus excisis; tibiæ rufescentes; alæ limpidæ.

banus scalaris, *Hoffm.; Meig. Zeiwfl.* ii. 38, 11.

aples.

13. Tabanus confinis.

Fœm. *Niger; oculi virides transversim purpureo trilineati, linea media in medio oculi; palpi tibiæque albida; antennarum articulus ultimus basi ferrugineus; thorax lineis sub quinis abdominisque maculis trifariam positis, albis; alæ immaculatæ.*

abanus confinis, *Zett. Ins. Lapp.* 516, 10; *Dipt. Scand.* i. 118, 19.

weden.

14. Tabanus maculicornis.

Mas et Fœm. *Niger; oculi nudi æenei transversim par unilineati, linea fere in medio oculi; palpi tibiæque alba; abdomen maculis trifariam positis, albidis; ferrugineæ, basi apiceque nigræ; alæ immaculatæ.*

Tabanus maculicornis, *Zett. Dipt. Scand.* i. 117, 18; viii. 293

Sweden.

15. Tabanus ruralis.

Fœm. *Fusco-cinereus, parum pubescens; oculi flavo immaculati; palpi albi; antennæ luteæ; abdominis duæ basales laterales tibiæque ferrugineo testaceæ; flavæ.*

Tabanus ruralis, *Zett. Ins. Lapp.* 517, 11; *Dipt. Scand.* i. 1

16. Tabanus plebeius.

Nigricans, dense cinereo hirtus; oculi unilineati, antennæ pedes fulvi, femoribus posticis basi tarsisque anticis alæ limpidæ, ad costam subflavescentes.

Tabanus plebeius, *Fall. Dipt. Suec.* 8, 9; *Meig. Zweifl.* ii.

17. Tabanus rufipes.

Nigricans; frons immaculatus; antennæ ferrugineæ, apice abdomen trifariam ferrugineo maculatum; pedes ferr tarsis fuscis; alæ hyalinæ, ad costam ferrugineæ.

Tabanus rufipes, *Meig. Zweifl.* iii. 59, 37.

18. Tabanus alpinus.

Fuscus; caput canum; antennæ luteæ, basi flavæ; abd latera basi fulva; pedes fulvi, tarsis anticis nigris; al pidæ, basi et ad costam subfulvæ.

Tabanus alpinus, *Schrank, Faun. Boic.*
Tabanus rusticus, *Schrank, Ins. Austr.* 479, 976.
Tabanus fulvus, *Meig.; Macq. Exped. Scient. Alg.* 425. *Zeller, Isis,* 1842, 822, 1.

Europe. North Africa.

19. Tabanus maroccanus.

- ♀ antennæ ferrugineæ; thorax ferrugineo hirtus; abdomen ıvatice maculis postice sinuatis flavis; pedes fulvi, femoribus ·ıescescentibus; alæ ad costam et apud venas ochraceæ.

ıs maroccanus, *Fabr.*

ıl. North Africa.

20. Tabanus signatus.

r ♀ thorax trivittatus; abdomen albo punctatum; pedes fusci, femoribus nigris; alæ hyalinæ, venis ex parte fusco limbatis.

ıus signatus, *Wied.; Meig.*

Germany.

21. Tabanus fulvicornis.

ereo flavicans; antennæ fulvæ, apice fuscescentes; abdomen ferrugineum, vitta obsoleta interrupta nigra, segmentorum marginibus pallidioribus; tibiæ dimidio basali ochraceo-flavæ; alæ strigis flavescentibus.

ıus fulvicornis, *Meig. Zweifl.* ii. 46, 22.

22. Tabanus umbrinus.

ger; abdomen trifariam albo maculatum; alæ macula media fusca.

nus umbrinus, *Hoffm.; Meig. Zweifl.* ii. 35, 6.

ı.

23. Tabanus albomaculatus.

em. *Niger; oculi aureo virides transversim distincte purpureo trilineati, linea medio in medio oculi; palpi sordide albidi; antennæ apud medium ferrugineæ; thoracis lineæ subquinæ abdominisque maculæ trifariam positæ, albæ, alæ submaculatæ.*

ınus albomaculatus, *Zett. Ins. Lapp.* 516, 9; *Dipt. Scand.* i. 116, 17.

land.

24. Tabanus carbonatus.

Nigra; antennæ articulo 3o paullo inciso; alæ subalbidæ, apud venas paullo obscuriores.

Tabanus carbonatus, *Macq. Hist. Nat. Dipt.* i. 199, 8.

Sicily.

25. Tabanus atricornis.

Nigricans; frons fœm. *maculis duabus atris; oculi* maris *supra cinerei, subtus purpureo-fusci,* fœm. *non vittati; antennæ atræ; abdomen trifariam cinereo maculatum; tibiæ basi flavescentes; alæ sublimpidæ, vena costali fusca.*

Tabanus atricornis, *Meig. Zweifl.* vii. 59, 47.

Germany.

26. Tabanus punctifrons.

Mas. *Nigricans, subopacus; triangulus frontalis planus, albo cinerascens, apice nigro bipunctatus; oculi ænei, transversim purpureo trilineati, mediocres, minus convexi; palpi albidi; antennæ basi ferrugineæ; abdomen maculis trifariam positis segmentorumque apicibus tenuiter subcinereis, lateribus in utraque pagina segmentoque ventris tertio toto ferrugineis; tibiæ obscure ferrugineæ, anticæ apice infuscatæ; alæ subhyalinæ, immaculatæ.*

Tabanus punctifrons, *Wahlb. Conspect. Actor. Acad. Holm.* 1848, 200, 9. *Zett. Dipt. Scand.* viii. 2939, 16, 17.

Sweden.

27. Tabanus nigerrimus.

Mas. *Ater, antennæ, palpi pedesque, toti concoloribus; oculi ænei transversim purpureo trilineati, linea media in medio oculi; abdomen serie media dorsali macularum trigonarum alba; alæ nubecula obscura.*

Tabanus nigerrimus, *Zett. Dipt. Scand.* i. 115, 15.

Sweden, Norway.

28. Tabanus cordiger.

aceus; antennæ nigræ; frons fœminæ *callo quadrato infero : cordiformi supero notatus; abdomen fuscescens, trifariam lavo maculatum; tibiæ flavæ, apice nigræ; alæ cinereo trigatæ.*

s cordiger, *Wied.; Meig. Zweifl.* ii. 47, 23. *Zeller, Isis,* 2, 817, 4, f. 10—13.

'culi nudi, fascia nulla; frons inter oculos latius; abdomen n, seriebus quatuor a striolis nigris crassis obliquis basi tibus."—*Zeller.*

29. Tabanus flaviceps.

n. *Obscure fuscus; caput flavescens; oculi aureo virides transversim purpureo unilineati, linea in medio oculi; palpi albi; antennarum articulus ultimus basi tibiæque, testacea; abdomen trifariam fusco maculatum.*

us flaviceps, *Zett. Dipt. Scand.* i. 111; viii. 2937, 9.

y.

30. Tabanus nemoralis.

ricans; frons fœminæ *callis duobus dentatis nigris; vertex bilineolatus; thorax cinereus, subvittatus; abdomen trifariam cinereo maculatum; tibiæ albo fuscescentes, apice nigræ; alæ subcinereæ.*

ius nemoralis, *Meig. Zweifl.* ii. 50, 26. *Macq. Exped. Scient. Alg. Ins.* 425, 32.

e. North Africa.

31. Tabanus latifrons.

em. *Nigricans; oculi ænescentes non lineati; palpi albi; antennæ totæ nigræ; frons interstitio lato, callis tribus discretis nigris; thorax cinereo sublineatus; abdomen trifariam albido maculatum; tibiæ basi pallidæ.*

inus latifrons, *Zett. Dipt. Scand.* i. 106, 3; viii. 2936, 3.
inus atricornis, *Zett.* Fœm.?

den.

32. Tabanus glaucus.

Nigricans; frons fœminæ *albidus, linea media callisque* [illegible] *nigris, infero transverso; antennæ fulvæ, apice fuscæ;* [illegible] *cinereo hirtus, sublineatus; abdomen glauco micans,* tri[illegible] *albido maculatum; tibiæ rufescentes, apice fuscæ; ala* [illegible] *linæ, vix cinerascentes.*

Tabanus glaucus, *Megerle; Meig. Zweifl.* ii. 51, 28.

33. Tabanus lunulatus.

Nigricans; frons fœminæ *callis tribus, infero semiorbic*[illegible] *antennæ fuscæ, basi testaceæ; thorax cinereo lineatus;* [illegible] *men trifariam ferrugineo maculatum; tibiæ flavæ,* [illegible] *fuscæ; alæ subcinereæ.*

Tabanus lunulatus, *Meig. Zweifl.* ii. 49, 25.

34. Tabanus glaucopis.

Nigricans; antennæ fulvæ apice fuscæ; frons maris *call*[illegible] fœminæ *tribus nigris; thorax cinereo lineatus;* [illegible] *nigro-fuscum, trifariam ferrugineo maculatum; tibiæ* [illegible] *apice fuscæ; alæ subcinereæ.*

Tabanus glaucopis, *Meig. Zweifl.* ii. 48, 24. *Macq. Hi*[illegible] *Dipt.* i. 205, 30. *Wahlb. Act. Holm.* 1838. *Zett. Dipt.* [illegible] i. 108, 6; viii. 2936, 6.
Tabanus ferrugineus, *Meig. Klass. Zweifl.* i. 169, 10.
Germany. Sweden.

35. Tabanus bromius.

Niger; caput flavo-album; frons fœminæ *callo quadrato* [illegible] *nigris; antennæ fulvæ; thorax cinereo quinque* [illegible] *abdomen maculis trigonis fulvis trivittatum; tibiæ* [illegible] *alæ subcinereæ.*

Tabanus bromius, *Linn.; Zeller, Isis,* 1842, 817, 5, f. 14–[illegible] *Zett. Dipt. Scand.* i. 107, 5; viii. 2936, 5. *Macq. E*[illegible] *Scient. Alg. Ins.* 424, 29.

uli nudi, fascia media unica, maris areolis in parte inferiore antennæ basi rufæ; abdomen cinereum, seriebus quatuor nigris obliquis, intermediis basi subcohærentibus. Var. α. nigræ abdominis dorsales cum lateralibus in basi anguste æ. Var. β. (detrita). Abdomen nudum nigro-cinereum, sali obsolete cinerea, maculis lateralibus rotundatis rufes- Var. γ. ut var. α. sed segmenta abdominis 2um et 3um rufescente-cinereis. Var. δ. Paullo major; striolæ abdo- incrassatæ, cæterum ut var. α. Var. ε. Minor, striolæ ales incrassatæ, in basi segmentorum late conjunctæ. Minor (detrita); abdomen cæsio-cinereum; striolæ in seg- in 2i et 3i dorso crassæ nigræ obliteratæ binæ."—*Zeller.*

North Africa.

nterlacken, Switzerland. Presented by F. Walker, Esq.

36. Tabanus quatuornotatus.

icans; frons fœminæ callis quatuor nigris; thorax cinereo hirtus; abdomen trifariam flavicante maculatum, maculis intermediis obsoletis; tibiæ fulvæ, apice fuscæ; alæ subcinereæ.

is quatuornotatus, *Meig. Zweifl.* ii. 51, 28.

ny.

37. Tabanus dimidiatus.

er; thorax cinereo tomentosus; abdomen maculis dorsalibus trigonis pallidis, basi testaceum; tibiæ albidæ; alæ limpidæ, apud costam flavescentes.

us dimidiatus, *Meig. Zweifl.* vi. 320, 43.

e?

38. Tabanus borealis.

er; antennæ articulo 3o basi fulvo; abdomen incisuris albis; tibiæ ferrugineæ; alæ subcinereæ, ad costam fusco ferrugineæ.

ius borealis, *Fabr. Spec. Ins.* ii. 459, 21; *Ent. Syst.* iv. 369, 0; *Syst. Antl.* 101, 37. *Fall. Dipt. Suec.* 6, 5. *Meig. Zweifl.* i. 37, 10. *Zett. Ins. Lapp.* 515, 5; *Dipt. Scand.* i. 113, 13.

Var. α. Mas et Fœm. Niger; oculi lineis 3 in fœm. saltem ctis; callus frontalis anticus in fœm. magnus didymus.

Var. β. Fœm. Nigricans, oculorum lineæ tres valde angus tenues; callus frontalis anticus simplex. Abdomen segment et 3o concoloribus. Var. γ. Fœm. Var. β. Similis; oc lineæ tres latiores. Var. δ. Fœm. Var. β. Similis; oculorum 1a et 3a obsoletæ, media tantum distincta; antennarum art 3us fulvus; abdominis latera maculis utrinque duabus ferrug incisuræ anguste albidæ. Var. ε. Var. α. Similis; abdominis non ferrugineæ."—*Zett.*

North Europe.

39. Tabanus lateralis. (Nomen bis lutum.)

Fœm. *Niger; caput canum callo frontali nigro; thorax quatuor lateralibus fulvis abdomen maculis dorsalibus vittisque duabus lateralibus undulatis glaucis; pedes alæ subcinereæ ad costam fuscæ.*

Tabanus lateralis, *Brullé, Exped. Scient. de Morée*, 3me Sé pl. 47, f. 2.

Greece.

40. Tabanus bovinus.

Nigro-fuscus; caput flavo-album; antennæ basi fulvæ; cinereo quinquevittatus; abdomen maculis trigonis univittatum, segmentorum marginibus posticis fulvis fusci, tibiis flavis; alæ subcinereæ, basi et ad costam

Tabanus bovinus, *Linn. Fall. Dipt. Suec.* tab. 4, 1. *Macq. Nord. Fr.* tab. 155, 6, pl. 3, f. 7. *Dahlb. Ins. Skad.* 306, 203. *Zett. Dipt. Scand.* i. 105, 1; viii. 2936, 1. *Isis*, 1842, 814, 1, f. 2—4. *Macq. Exped. Scient.* 424, 28.

"Oculi nudi, maris areolis minutissimis subæqualibus men lateribus rufescens, segmentorum basi fusca, serie triangu flavescentium elongatorum dorsali nigro cincta; femora extu pilosa. Var. α. Thorax cinereus. Var. β. Thorax cæsius."—*Z*

Europe. North Africa.

a, b. Interlacken, Switzerland. Presented by F. Walker, Esq

41. Tabanus auripilus.

iger; thorax nigro hirtus; abdominis incisuræ fulvo ciliatæ; pedes fulvo hirti; alæ subcineræ, venis transversis infuscatis.

anus auripilus, *Meig. Zweifl.* ii. 41, 15. *Zett. Ins. Lapp.* 511. 3; *Dipt. Scand.* i. 109, 8. *Zeller, Isis*, 1842, 821, 3.

nterlacken, Switzerland. Presented by F. Walker, Esq.

42. Tabanus autumnalis.

igro-fuscus; caput flavo-album; thorax cinereo quinque vittatus; abdomen e maculis canis quinque vittatum; tibiæ flavæ, apice nigræ; alæ cinereæ.

anus autumnalis, *Linn. Zeller, Isis*, 1842, 816, 3, f. 9. *Zett. Dipt. Scand.* i. 106, 2; viii. 2936, 2. *Macq. Exped. Scient. Alg.* 424, 27.

"Oculi nudi, fascia nulla, maris plaga triangulari ex areolis nis composita; frons inter oculos angusta; antennæ nigræ; omen cinereum, maris lateribus ferrugineis, seriebus quatuor ex lis crassis nigris obliquis intermediis basi cohærentibus."—*Zeller.*

rope. North Africa.

43. Tabanus lugubris.

Mas. *Ater; oculi dimidio superiori viridi, inferiori subferrugineo, transversim purpureo trilineati, linea prima in medio oculi; palpi nigri; abdominis segmenta margine tenuiter, serieque media dorsali macularum trigonarum, albis; alæ immaculatæ.*

banus lugubris, *Zett. Ins. Lapp.* 515, 6; *Dipt. Scand.* i. 114, 14.

rway, Lapland.

44. Tabanus lapponicus.

Nigricans, subnitidus; frons albo cinerascens; oculi ænei, transversim purpureo trilineati; palpi nigricantes; antennæ fulvæ apice infuscatæ; abdomen serie media macularum trigonarum segmentorumque apicibus tenuiter albidis, lateribus supra anguste ferrugineis, ventre nigro; tibiæ obscure ferrugineæ, anticæ apice late nigræ; alæ immaculatæ.

Tabanus lapponicus, *Wahlb. Conspect. Actor. Reg. Acad.* 1848, 199, 9. *Zett. Dipt. Scand.* viii. 2938, 17.

Lapland.

45. Tabanus luridus.

Niger; antennæ articulo 3o ferrugineo apice nigro; thorax subtrivittatus; abdomen maculis canis univittatum, anterioribus fulvis; tibiæ fulvæ; alæ cinereæ, basi et tam fuscescentes.

Tabanus luridus, *Fall.*

46. Tabanus solstitialis.

Niger; antennæ ferrugineæ, apice nigræ; thorax vittatus; abdomen maculis canis univittatum, rioribus fulvis; tibiæ fulvæ, antice dimidio alæ cinereæ, basi et ad costam fuscescentes.

Tabanus solstitialis, *Meig.*

47. Tabanus tropicus.

Niger; caput flavo-album; antennæ ferrugineæ, apice thorax cinereo subtrivittatus; abdomen fulvum, gonis flavis univittatum; tibiæ fulvæ; alæ cinereæ. ad costam fulvæ.

Tabanus tropicus, *Linn. Westw. Duncans's Libr. Nat. Hist.* pl. 34, f. 2.

a. Interlacken, Switzerland. Presented by F. Walker, Esq.

48. Tabanus austriacus.

Niger; thorax sublineatus; abdomen segmento 1o punctis reliquis unico albis; tarsi antici maris *fasciculati. subcinereo fuscæ.*

Tabanus austriacus, *Fabr.*

49. Tabanus albipes.

; thorax et abdomen basi cinereo villosa; tibiæ albæ; alæ nereo-fuscescentes, basi flavescentes.

albipes, *Fabr.*

ermany. France.

50. Tabanus spodopterus.

; thorax albido trilineatus; abdomen badium, serie maculaum albarum; tibiæ fuscæ; alæ fusco-cinereæ.

s spodopterus, *Wied.* *Meig. Zweifl.* ii. 46, 21.

51. Tabanus aterrimus.

nitidus; alæ subfuscescentes, ad costam fuscæ.

is aterrimus, *Meig. Zweifl.* ii. 33, 3.

52. Tabanus apricus.

r; antennæ nigro-fuscæ, articulo 3o subtus ferrugineo; abdominis incisuræ albido villosæ; tibiæ albidæ; alæ subfuscescentes, ad costam obscuriores.

is apricus, *Meig. Zweifl.* ii. 37, 9.

53. Tabanus ferrugineus.

rugineus; antennæ apice fuscæ; thoracis dorsum fuscum; abdomen antice maculis postice fasciis nigris; pedes nigrofusci, tibiis fulvis apice fuscis; alæ subfuscescentes, ad costam ferrugineæ.

ius ferrugineus, *Meig. Klass.* 166; *Zweifl.* ii. 60, 38.

54. Tabanus bimaculatus.

Fœm. *Niger; fasciis cinereis; antennarum articulus 3us fu[illegible] apice niger; thorax subvittatus; abdominis segmenta [illegible] 2um macula laterali fulva; tibiæ fulvæ; alæ subfuscescentes ad costam flavæ.*

Tabanus bimaculatus, *Macq. Dipt. Nord. Fr. Tab.* 163, 17. [illegible] *Zweifl.* vii. 46.

North France.

55. Tabanus Tarandinus.

Niger; antennæ fulvæ; abdomen fasciis aureo-flavis; pedes [illegible] alæ subfuscescentes, ad costam et apud venas flavo-fuscæ.

Tabanus Tarandinus, *Linn. Dahlb. Ins. Nytta och Skada*, 36[illegible] *Zett. Ins. Lapp.* 513, 2; *Dipt. Scand.* i. 109, 7; viii. 28[illegible]

Lapland.

56. Tabanus istriensis.

Niger; thorax canescens; abdomen albo fasciatum; alæ nubeculosæ.

Tabanus istriensis, *Megerle; Meig. Zweifl.* ii. 36, 8.
Tabanus umbrinus, Var.?

Istria?

57. Tabanus carbonarius.

Ater; oculi villosi; alæ fuscæ.

Tabanus carbonarius, *Meig. Zweifl.* ii. 33, 2. *Macq. Dipt. E[illegible]* i. 2, 182; *Exped. Scient. Alg. Ins.* 422, 20.

Europe. North Africa.

58. Tabanus morio.

Ater, nitidus; thorax cinereus; abdomen apice albo villosum; [illegible] fuscæ.

morio, *Fabr. Dum. Cons. Gén. Ins.* pl. 40, f. 9. *Macq.* *ed. Scient. Alg.* 422, 19.

ance. Italy. Hungary. North Africa.

59. TABANUS MACULIPENNIS.

Niger; alæ fuscæ, vitta interrupta discali ad apicem dif-usa limpida.

s maculipennis, *Brullé, Exped. Atlas Scient. de Morée*, 3me r. *Zool.* pl. 47, f. 3.

60. TABANUS FUSCATUS.

Ater, nitidus; antennarum articulus 3us basi testaceus; thorax cinereus; abdomen segmenti 2i lateribus anoque albo hirtis; alæ fuliginosæ; areolæ nonnullæ discis pallidioribus.

is fuscatus, *Macq. Dipt. Nord. Fr. Tab.* 152, 2; *Meig. weifl.* vii. 59, 45.

France.

61. TABANUS ANTHRACINUS.

r; abdomen lateribus obscure fuscescentibus, segmentis albo trimaculatis; pedes nigro-picei; alæ flavo fuscescentes.

us anthracinus, *Hoffm.; Meig. Zweifl.* ii. 36, 7.
us umbrinus, *Mas.?*

s.

North America.

62. TABANUS IMITANS.

ıus imitans, *Cat. of Diptera*, Pt. 1, 146.

63. TABANUS CONFUSUS.

nus confusus, *Cat. of Diptera*, Pt. 1, 147.

64. Tabanus recedens.

Tabanus recedens, *Cat. of Diptera*, Pt. 1, 147.

65. Tabanus proximus.

Tabanus proximus, *Cat. of Diptera*, Pt. 1, 147.

66. Tabanus catenatus.

Tabanus catenatus, *Cat. of Diptera*, Pt. 1, 148.

Var.? Red. Head and thorax with white tomentum down. Antennæ tawny. Thorax with two piceous stripes. Abdomen piceous, with white bloom; hind borders of the segments reddish. Fore femora with a black stripe; hind tibiæ black, clothed with black hairs on the outer side; tarsi black. Wings gray; veins tawny; first branch of the cubital vein simple. Second anal vein joining the anal far from the border. Length of the body 9½ lines; of the wings 19 lines.

a. ———? From Mr. Stephens' collection.

67. Tabanus derivatus.

Tabanus derivatus, *Cat. of Diptera*, Pt. 1, 156.

68. Tabanus Tarandi.

Tabanus Tarandi, *Cat. of Diptera*, Pt. 1, 156.

69. Tabanus notabilis.

Tabanus notabilis, *Cat. of Diptera*, Pt. 1, 166.

70. Tabanus fulvescens.

Tabanus fulvescens, *Cat. of Diptera*, Pt. 1, 171.

71. TABANUS COMES.

s inscitus (nomen bis lectum), *Cat. of Diptera*, Pt. 1, 172.

72. TABANUS FRONTALIS.

.s frontalis, *Cat. of Diptera*, Pt. 1, 172.

73. TABANUS INTERMEDIUS.

ıs intermedius, *Cat. of Diptera*, Pt. 1, 173.

74. TABANUS DUPLEX.

ıs imitans (nomen bis lectum), *Cat. of Diptera*, Pt. 1, 173.

75. TABANUS LEUCOMELAS.

ıs leucomelas, *Cat. of Diptera*, Pt. 1, 175.

76. TABANUS SCITUS.

us scitus, *Cat. of Diptera*, Pt. 1, 181.

77. TABANUS FULVOFRATER.

ıus fulvofrater, *Cat. of Diptera*, Pt. 1, 181.

78. TABANUS SIMULANS.

ıus simulans, *Cat. of Diptera*, Pt. 1, 182.

79. TABANUS VICARIUS.

ıus vicarius, *Cat. of Diptera*, Pt. 1, 187.

80. TABANUS MUTATUS.

nus mutatus, *Diptera Saundersiana*, Pt. 1, 23.

81. Tabanus conterminus.

Tabanus conterminus, *Diptera Saundersiana*, Pt. 1, 24.

82. Tabanus erythrotelus.

Tabanus erythrotelus, *Diptera Saundersiana*, Pt. 1, 25, pl. 2, [illegible]

83. Tabanus rufofrater.

Tabanus rufofrater, *Diptera Saundersiana*, Pt. 1, 26.

84. Tabanus incisus.

Tabanus incisus, *Diptera Saundersiana*, Pt. 1, 26.

85. Tabanus scutellaris.

Tabanus scutellaris, *Diptera Saundersiana*, Pt. 1, 27.

A. Corpus omnino nigrum.
  A. Alæ maculatæ. - - - nigrescens, *Pal. B*[illegible]
  B. Alæ non maculatæ.
    A. Alæ nigræ. - - - - - - lugubris, *M*[illegible]
    B. Alæ fusco-nigræ. - - - - - ater, *Pal. B*[illegible]
B. Thorax niger.
  A. Abdomen canescens. - - - - atratus, *F*[illegible]
  B. Abdomen maculis tribus albis. - - - trispilus, *W*[illegible]
  C. Abdomen incisuris albis. - - - nigripes, *W*[illegible]
  D. Abdomen trifariam albido maculatum. - pumilus, *M*[illegible]
  E. Abdomen fasciis flavo pilosis. - - flavipes, *W*[illegible]
  F. Abdomen maculis dorsalibus incisurisque albis. coffeatus, *M*[illegible]
  G. Abdomen cinereum, lateribus fulvis vittisque duabus [illegible] nigrovittatus, *M*[illegible]
  H. Abdomen lateribus anticis et incisuris fulvis. vicinus, *M*[illegible]
  I. Abdominis latera gambogia. - - fumipennis, *W*[illegible]
  J. Abdomen lateribus fasciisque fulvis. - dorsonotatus, *M*[illegible]
  K. Abdomen maculis dorsalibus incisurisque albidis; seg[illegible] 1o ad 4um lateribus fulvis. - - Carolinensis, *M*[illegible]

›domen lateribus et incisuris testaceis. incisuralis, *Macq.*
bdomen lateribus, maculis dorsalibus et incisuris fulvis. punctipennis, *Macq.*
bdomen segmentis tribus anticis luteis. - cinctus, *Fabr.*
›domen fulvum, fascia dorsali nigra. lasiophthalmus, *Macq.*
:ax fusco nigricans. - - - - marginalis, *Fabr.*
rax fuscus, cinereus, rubidus, aut pallidus.
læ immaculatæ.
Abdomen maculis exceptis obscurum, unicolor.
ı. Antennæ pallidæ aut fuscæ.
i. Abdomen non vittatum.
* Abdomen lactescens. - - - validus, *Wied.*
** Thorax testaceus. Abdomen fuscum cæruleo pubescens. - - - - pubescens, *Macq.*
*** Abdomen nigrum.
† Alæ fuscæ. - - - - lineatus, *Fabr.*
†† Alæ limpidæ. - - - exæstuans, *Linn.*
ii. Abdomen vittatum.
* Abdomen vittis duabus macularibus. ruficornis, *Fabr.*
** Abdomen vittis tribus macularibus. crassicornis, *Wied.*
*** Abdomen univittatum.
† Abdomen non fasciatum. - calens, *Linn.*
†† Abdomen fasciis testaceis. Novæ Scotiæ, *Macq.*
††† Abdomen fasciis albis. - trijunctus, *Walk.*
b. Antennæ nigræ.
i. Alæ limpidæ. - - - melanocerus, *Wied.*
ii. Alæ fuscescentes. - - - - guttatus, *Meig.*
Abdomen incisuris albis. - - - nanus, *Macq.*
Abdomen fasciis pallidis. - - cingulatus, *Macq.*
. Abdomen lateribus, aut basi, aut omnino pallidum.
a. Abdominis latera pallida.
i. Alæ ferrugineæ. - - - - rufus, *Pal. Beauv*
ii. Alæ subflavescentes. - - - bicolor, *Macq.*
iii. Alæ cinereo-fuscæ. - - - triligatus, *Walk.*
iv. Alæ limpidæ.
* Abdomen univittatum.
† Femora ferruginea. - - - bicolor, *Wied.*
** Abdomen trivittatum. - - lineola, *Fabr.*
b. Abdomen omnino pallidum.
i. Abdomen non vittatum. - - pallidus, *Pal. Beauv.*
ii. Abdomen trivittatum. - - fulvulus, *Wied.*
* Abdomen trifariam albo maculatum.
** Abdomen vitta maculisque utrinque flavidis. costalis, *Wied.*

c. Corpus omnino testaceum.
i. Alæ apud costam limpidæ. - - unicolor, Ma
ii. Alæ apud costam flavæ. - - - flavus, Ma
B. Alæ fusco maculatæ aut vittatæ.
A. Abdomen rufum aut fuscum.
a. Antennæ *maris* luteæ aut fuscæ, *fœm.* fuscæ.
i. Abdomen vitta maculari alba.
* Antennæ unicolores. - - abdominalis, F
** Antennæ articulo 3o basi pallido. gracilis, W
*** Antennæ articulo basi apiceque pallido. molestus
ii. Abdomen vitta maculari flavida. - turbidus, W
b. Antennæ nigro-fuscæ.
i. Alæ postice fusco limbatæ. - variegatus, F
ii. Alæ non fusco limbatæ. - - Reinwardtii, W
B. Abdomen nigrum, lateribus maculisque dorsalibus fulvis punctipennis, Ma
C. Abdomen nigrum.
a. Abdomen non vittatum. - - - stygius, M
b. Abdomen vitta maculari. - trimaculatus, F
D. Abdomen nigrum, albido trivittatum. quinquelineatus, Ma

86. Tabanus nigrescens.

Nigro-violaceus; antennæ articulo 3o basi flavo; alæ obscure maculis tribus fuscis.

Tabanus nigrescens, *Pal. Beauv. Ins.* 100, pl. 2, f. 2. *Wied. Dipt. Exot.* i. 23. *Zweifl.* i. 116, ♂.

North America.

87. Tabanus lugubris.

Mas. *Niger; alæ nigræ.*

Tabanus lugubris, *Macq. Dipt. Exot.* i. 1, 144, 48.

Carolina.

88. Tabanus ater.

Ater; alæ fusco-nigræ.

Tabanus ater, *Pal. Beauv. Ins.* pl. 2, f. 5. *Wied. Dipt. Exot.* i. 23; *Auss. Zweifl.* i. 136, 39.

North America.

89. Tabanus atratus.

; abdomen canescens; alæ fusco-nigræ.

atratus, *Fabr.* *Macq. Dipt. Exot.* i. 1, 142, 41.
niger, *Pal. Beauv. Ins.* 54, pl. 1. f. 1.

merica. Mexico.

90. Tabanus trispilus.

inoso-niger, nitens; antennæ medio rufæ; abdomen maculis ribus albis; alæ fuscæ.

s trispilus, *Wied.*

States.

91. Tabanus nigripes.

'lus; abdomen incisuris albidis; alæ limpidæ; pedes nigri.

ıs nigripes, *Wied. Dipt. Exot.* i. 75, 24; *Auss. Zweifl.* i. 2, 50.
ıs exæstuans, Var.?

America.

92. Tabanus pumilus.

ı. *Niger; antennæ fulvæ, basi apiceque fuscæ; abdomen trifariam albido maculatum; pedes fusco-fulvi; alæ hyalinæ, venæ cubitalis ramus* 1*us sæpe furcatus.*

us pumilus, *Macq. Dipt. Exot.* i. 1, 146, 51.

na.

llied to *T. bromius.*

93. Tabanus flavipes.

ıer; abdomen fasciis flavo pilosis; pedes ferruginei; tarsis anticis atris.

ıus flavipes, *Wied. Auss. Zweifl.* i. 137, 40.

ıdor. Nova Scotia.

94. Tabanus coffeatus.

Fuscus; thoraæ niger; abdomen maculis dorsalibus incurvis albis; pedes nigricantes, tibiis fuscis; alæ cineræ.

Tabanus coffeatus, *Macq. Dipt. Exot. Suppl.* 2, 23, 109.
Philadelphia.

95. Tabanus nigrovittatus.

Fœm. *Niger; antennæ fulvæ, apice nigræ; abdomen cinereum lateribus fulvis vittisque duabus nigris; pedes fulvi; alæ hyalinæ.*

Tabanus nigrovittatus, *Macq. Dipt. Exot. Suppl.* 2, 24, 111
Nova Scotia.

96. Tabanus vicinus.

Fœm. *Niger; antennæ articulo 3o fulvo, apice nigro; abdominis latera antica et incisuræ tibiæque fulva.*

Tabanus vicinus, *Macq. Dipt. Exot.* i. 1, 143, 44.
Carolina.

Allied to *T. luridus.*

97. Tabanus fumipennis.

Niger, flavo hirtus; antennæ et pedes ferruginea; abdominis latera gambogia.

Tabanus fumipennis, *Wied.*
North America.

98. Tabanus dorsonotatus.

Mas. *Niger; antennæ basi testaceæ; abdominis latera fusca; tibiæque fulva, femora nigricantia; tibiæ anticæ basi albæ; tarsi fusci; alæ cinereæ.*

Tabanus dorsonotatus, *Macq. Dipt. Exot. Suppl.* 2, 22, 106.
Carolina.

99. Tabanus Carolinensis.

Niger ; antennæ fulvæ, basi cinereæ, apice nigræ ; abdo-n maculis dorsalibus incisurisque albidis, segmentorum 1o 4um lateribus fulvis ; tibiæ fulvæ ; alæ hyalinæ, basi et ad tam subfulvæ.

Carolinensis, *Macq. Dipt. Exot.* i. 1, 145, 47.

100. Tabanus incisuralis.

; antennæ, abdominis latera et incisuræ pedesque testacea ; æ limpidæ, ad costam flavescentes ; venæ cubitalis furca ıtica ramulum demittens.

incisuralis, *Macq. Dipt. Exot. Suppl.* 2, 21, 104.

101. Tabanus punctipennis.

; antennæ testaceæ, apice nigræ ; abdominis latera, maculæ lorsales et incisuræ, tarsi posteriores, femora basi et tibiæ ulva ; alæ fusco punctatæ.

s punctipennis, *Macq. Dipt. Exot. Suppl.* 2, 23, 108.

elphia.

102. Tabanus cinctus.

r ; abdominis segmenta tria antica lutea ; alæ nigræ.

ıs cinctus, *Fabr. Ent. Syst.* iv. 366, 18 ; *Syst. Antl.* 97, 20. *Meig. Zweifl.* 71, 42, 16 ; vi. 320. *Wied. Dipt. Exot.* i. 67,) ; *Auss. Zweifl.* i. 119, 12.

ıia.

103. Tabanus lasiophthalmus.

m. *Niger ; oculi hirsuti ; abdomen fulvum, fascia dorsali nigra ; pedes fulvi, tarsis nigricantibus ; alæ subcinereæ, fusco maculatæ.*

aus lasiophthalmus, *Macq. Dipt. Exot.* i. 1, 143, 45.

ina.

104. Tabanus marginalis.

Fusco-nigricans; thorax albido trivittatus; abdomen in nigro maculatum; tibiæ albidæ.

Tabanus marginalis, *Fabr.*

North America.

105. Tabanus validus.

Coccinelleo-rubidus; abdomen lactescens; alæ fuscæ.

Tabanus validus, *Wied.*

North America.

106. Tabanus pubescens.

Testaceus; abdomen fuscum cæruleo pubescens; pedes tibiis testaceis; alæ flavidæ.

Tabanus pubescens. *Macq. Dipt. Exot. Suppl.* 2, 20, 103.

America.

107. Tabanus lineatus.

Fuscus, ferrugineo lineatus; antennæ rubidæ; abdomen [illegible] alæ fuscanæ.

Tabanus lineatus, *Fabr.*

North America.

108. Tabanus exæstuans.

Cinereus; oculi virides; abdominis segmenta albo marginata; hyalinæ; tibiæ albæ, apice nigræ.

Tabanus exæstuans, *Linn. Syst. Nat.* ii. 1000, 8. *Fabr. Ent.* iv. 365, 13; *Syst. Antl.* 96, 12. *Wied. Auss. Zweifl.* 56.

Tabanus fuscus, *Deg. Ins.* vi. 229, 8, pl. 30, f. 5.

North America?

109. Tabanus annulatus.

rubens; thorax albido pruinosus; abdominis incisuræ æque albæ; alæ limpidæ.

ınnulatus, *Say, Journ. Acad. Philad.* iii. 32, 2. *Wied. Zweifl.* i. 185, 111.

110. Tabanus ruficornis.

e coccinelleus; abdomen utrinque maculis transversis albis; e sublimpidæ, costa fusca.

ruficornis, *Fabr.*

nerica.

111. Tabanus crassicornis.

do-fuscus; thorax obsolete fulvido vittatus; abdomen tri- ıriam albo maculatum; alæ flavidæ.

ı crassicornis, *Wied. Dipt. Exot.* i. 71, 18; *Auss. Zweifl.* 30, 29.

ı.

112. Tabanus calens.

cus; antennæ obscure rufæ apice fuscæ; thorax cinereo sublineatus; abdomen basi cinerascens, linea dorsali alba; tibiæ basi albæ.

ıs calens, *Linn.*

America.

113. Tabanus Novæ Scotiæ.

ın. *Testaceus; antennæ fulvæ apice nigræ; thorax vittis nigris; abdomen nigricans, fasciis testaceis, maculis dorsalibus albidis; pedes fulvi; alæ flavidæ.*

ıus Novæ Scotiæ, *Macq. Dipt. Exot. Suppl.* 2, 24, 110.

Scotia.

114. Tabanus trijunctus.

Fœm. *Ferrugineus; antennæ rufescentes, dilatatæ non fur- apice fuscescentes; thorax cano quinquevittatus; scut- nigrum, ferrugineo marginatum; abdomen nigrum, segme- rum marginibus posticis maculisque dorsalibus trigonis a- basi ferrugineum nigro vittatum; pedes rufescentes, femo- anticis nigris; alæ cinereæ, antice ferrugineæ, areolis m- lis hyalino strigatis, venis transversis nigro marginatis.*

Very nearly allied to *T. variegatus*, but distinct. *Fem.* Fe- ginous. Head with whitish testaceous tomentum and down. P- and antennæ reddish; first and second joints of the an- dilated above and forming horns; third dilated and form- slightly acute angle; tips brownish. Thorax with five hoary s- Pectus hoary. Scutellum black; hind border ferruginous. Ab- men black, ferruginous towards the base, excepting a dorsal s- on the hind border of each segment a white band, which is c- in the middle above into a triangle. Legs reddish; tips of th- brown; fore femora black. Wings dark gray, ferruginous in t- disks of some of the areolets with almost limpid streaks; tra- veins clouded with black; first branch of the cubital vein s- clouded at the base; second branch converging towards the e- medial vein; subanal vein joining the anal at some distanc- the border. Length of the body 7 lines; of the wings 15 line-

a, b. Florida. Presented by E. Doubleday, Esq.

115. Tabanus melanocerus.

Fuscus; thorax vittis quinque; abdomen vitta e maculis tri- tibiæ basi albæ.

Tabanus melanocerus, *Wied.*

Kentucky. British North America.

116. Tabanus guttatus.

Lilacino-rubidus, albido vittatus; abdomen fuscum, tri- albo maculatum; tibiæ albæ.

Tabanus guttatus, *Megerle. Wied. Dipt. Exot.* i. 73, 20; *Zweifl.* i. 133, 34.

America.

117. Tabanus nanus.

. Cinereus; antennæ nigræ, basi fulvæ; thorax albo quinquevittatus; abdomen incisuris albis; pedes fulvi; alæ hyalinæ venæ cubitalis ramo 1o furcato.

us nanus, *Macq. Dipt. Exot. Suppl.* 1, 42, 88.

118. Tabanus cingulatus.

n. *Antennæ rufæ, apice nigræ denteque elongato; thorax fulvus nigro trivittatus; abdomen fuscum flavo fasciatum; pedes fulvi; alæ subhyalinæ, venis fulvo marginatis.*

ıus cingulatus, *Macq. Dipt. Exot.* i. 1, 144, 46.

lelphia.

119. Tabanus rufus.

eo-rufescens; antennæ flavæ; abdomen segmentis sex ultimis medio fuscis; alæ ferrugineæ.

ıus rufus, *Pal. Beauv.*

America.

120. Tabanus bicolor. (Nomen bis lectum.)

taceus; abdomen nigrum, lateribus maculis incisurisque testaceis; alæ subflavescentes; tibiæ posticæ tarsique nigra.

ıus bicolor, *Macq. Dipt. Exot. Suppl.* 2, 21, 105.

Carolina.

121. Tabanus triligatus.

sco-niger; caput cano tomentosum; antennæ basi rufæ; thorax cano quinquevittatus; abdomen luteo fulvum vitta dorsali interrupta nigra, segmentorum marginibus posticis testaceo trimaculatis; tarsi posteriores basi, femora apice tibiæque fulva; alæ cinereo-fuscæ, subfasciatæ.

Very nearly allied to *T. dorsonotatus* and to some of the neighng species, also to the European *T. Græcus*. *Fem.* Brownish

black. Head clothed with hoary tomentum and down, more than twice broader than long. Palpi testaceous, brownish above, enlarged at the base. First and second joints of the antennæ red; third [illegible] towards the base, its horn small, forming a nearly right [illegible] Thorax brownish black, clothed on each side with black hairs; [illegible] dorsal hoary stripes, and a tawny callus before each wing. Abdomen luteous tawny, with a black stripe, which is dilated at the [illegible] and at the tip, and is interrupted on the hind border of each segment; three testaceous spots on the hind border of each segment. Tibiæ, posterior tarsi towards the base and tips of the femora [illegible] hind tibiæ with a short fringe of black hairs on the outer [illegible] Wings grayish brown, with a slight darker brown band across base of the discal areolet. Stigma dark brown; veins black; [illegible] branch of the cubital vein simple, forming a slightly obtuse [illegible] near its base; subanal vein joining the anal at some little distance from the border. Halteres tawny, black towards the tips, white [illegible] testaceous. Length of the body 6—7 lines; of the wings 1[illegible] lines.

a—f. Arctic America. Presented by Sir John Richardson.
g—h. ——— ?

122. Tabanus bicolor.

Glauco-olivaceus; antennæ, pedes et abdomen ferrugineus, [illegible] olivacea.

Tabanus bicolor, *Wied. Dipt. Exot.* i. 96, 58; *Auss. Zweifl.* i. [illegible] 115.

North America.

123. Tabanus lineola.

Niger; thoracis latera ochracea; abdomen albo trivittatum, [illegible] bus melleis; tibiæ ferrugineæ; alæ limpidæ.

Tabanus lineola, *Fabr.* *Macq. Dipt. Exot.* i. 1, 146, 49.

Eyes of the male hairy, of the female bare.

North America.

124. Tabanus pallidus.

Testaceus, subtus albido pilosus; thoracis maculæ et [illegible] fusca; alæ obscuræ, immaculatæ.

144. TABANUS LUCIDULUS.

ıanus lucidulus, *Cat. of Diptera*, Pt. 1, 188.

145. TABANUS PARALLELUS.

ɔanus parallelus, *Cat. of Diptera*, Pt. 1, 187.

146. TABANUS OBLIQUUS.

ɔanus obliquus, *Diptera Saundersiana*, Pt. 1, 28.

147. TABANUS TINCTUS.

ɔanus tinctus, *Diptera Saundersiana*, Pt. 1, 29.

148. TABANUS FERRIFER.

ɔanus ferrifer, *Diptera Saundersiana*, Pt. 1, 30.

Thorax rufus - - - - - parvidendatus, *Macq.*
Thorax fuscanus. - - - - - rufiventris, *Macq.*

149. TABANUS PARVIDENTATUS.

Fœm. *Rufus; frons maculis duabus; antennæ testaceæ, dente minimo; alæ subrufæ.*

banus parvidentatus, *Macq. Dipt. Exot.* i. 1, 142, 40.

est Indies.

150. TABANUS RUFIVENTRIS.

Mas. *Antennæ testaceæ, apice nigræ; thorax fuscanus; abdomen rufum, maculis dorsalibus albidis; pedes testacei; alæ subcinereæ.*

ıbanus rufiventris, *Macq. Dipt. Exot.* i. 1, 141, 39.

Allied to *T. posticus*.

ıba.

129. Tabanus abdominalis.

Lilacino-fuscanus; abdomen albo maculatum; alæ fusc culatæ.

Tabanus abdominalis, *Fabr.*

North America.

130. Tabanus gracilis.

Lilacino-fuscanus; thorax vittis; abdomen vitta maculari is risque albis; alæ venis fuscano limbatis.

Tabanus gracilis. *Wied.*

North America.

131. Tabanus molestus.

Lilacino-fuscanus; thorax albido pruinosus; abdomen vitt culis trigonis albis; alæ venis transversis fusco limbati

Tabanus molestus, *Say.*

North America.

132. Tabanus turbidus.

Rubidus; thorax albido vittatus; abdomen vitta maculari fu alæ subturbidæ, venis fuscano limbatis.

Tabanus turbidus, *Wied.*

North America.

133. Tabanus variegatus.

Lilacino-rubidus; abdomen badium, albo maculatum, m interno fusco limbato.

Tabanus variegatus, *Fabr.*

North America.

161. TABANUS LATIVITTA.

banus lativitta, *Cat. of Diptera*, Pt. 1, 184.

162. TABANUS ADUSTUS.

banus adustus, *Diptera Saundersiana*, Pt. 1, 34.

163. TABANUS SUBMACULA.

banus submacula, *Diptera Saundersiana*, Pt. 1, 30, pl. 2, f. 8.

164. TABANUS DETERSUS.

banus detersus, *Diptera Saundersiana*, Pt. 1, 31.

165. TABANUS PERPLEXUS.

banus perplexus, *Diptera Saundersiana*, Pt. 1, 32.

166. TABANUS BASI-RUFUS.

abanus basi-rufus, *Diptera Saundersiana*, Pt. 1, 32.

167. TABANUS HIRTITIBIA.

abanus hirtitibia, *Diptera Saundersiana*, Pt. 1, 33.

168. TABANUS SIMPLEX.

'abanus simplex, *Diptera Saundersiana*, Pt. 1, 34.

169. TABANUS DISCIFER.

'abanus discifer, *Diptera Saundersiana*, Pt. 1, 35, pl. 2, f. 2.

170. TABANUS PUDENS.

'abanus pudens, *Diptera Saundersiana*, Pt. 1, 36.

171. Tabanus trifascia.

Tabanus trifascia, *Diptera Saundersiana*, Pt. 1, 37.

172. Tabanus litigiosus.

Tabanus litigiosus, *Diptera Saundersiana*, Pt. 1, 37.

173. Tabanus subsenex.

Tabanus subsenex, *Diptera Saundersiana*, Pt. 1, 38.

174. Tabanus dorsivitta.

Tabanus dorsivitta, *Diptera Saundersiana*, Pt. 1, 39.

175. Tabanus ferruginosus.

Tabanus ferruginosus, *Diptera Saundersiana*, Pt. 1, 40.

176. Tabanus terminatus.

Tabanus terminatus, *Diptera Saundersiana*, Pt. 1, 41.

177. Tabanus manifestus.

Tabanus manifestus, *Diptera Saundersiana*, Pt. 1, 41.

A. Tibiæ anticæ non incrassatæ.
  A. Tibiæ non ciliatæ.
    a. Abdomen basi triangulo non notatum.
      a. Alæ non maculatæ nec vittatæ nec fasciatæ.
        i. Corpus nigrum.
          * Scutellum nigrum.
            † Alæ subhyalinæ. - - - modestus.
            ‡ Antennæ rufo-flavæ.
            ‡‡ Antennæ basi testaceæ. - trifarius.
            †† Alæ limpidæ. - - - comitans.
            ††† Alæ rubiginosæ. - rubiginipennis.
            †††† Alæ fuscanæ. - - - flavifacies.

††††† Alæ cinereæ, basi et costa subfuscæ.
Valterii, *Macq.*
††††† Alæ subcinereæ.
‡ Femora fulva. - - - chilensis, *Macq.*
‡‡ Femora nigra. - - importunus, *Macq.*
††††††† Alæ cinereæ. - - - alboater, *Walk.*
** Scutellum testaceum. - - auribarbis, *Macq.*
*** Scutellum album. - - - leucaspis, *Wied.*
ii. Corpus cinereum. - - - cinereus, *Wied.*
iii. Corpus nigro-fuscum.
* Abdomen albo trivittatum. - trivittatus, *Fabr.*
** Abdomen albo univittatum. - plangens, *Walk.*
iv. Thorax niger.
* Abdomen olivaceum. - - olivaceiventris, *Macq.*
** Abdomen nigrum.
† Abdomen basi ferrugineum. - cainnensis, *Fabr.*
†† Abdomen basi pallidum.
‡ Alæ nigræ. - - - theotænia, *Wied.*
‡‡ Alæ flavæ. - - - - tristis, *Wied.*
††† Abdomen lateribus testaceis.
‡ Alæ hyalinæ. - - - callosus, *Macq.*
‡‡ Alæ cinereæ. - - - recedens, *Walk.*
v. Thorax fuscus.
* Abdomen nigellum. - - - fuscus, *Wied.*
** Abdomen cæruleo-nigrum. - clausus, *Macq.*
*** Abdomen cinerascens. - - stigma, *Fabr.*
vi. Thorax cinereus. Abdomen ferrugineum.
viduus, *Walk.*
vii. Corpus fuscum aut glauco-fuscum.
* Alæ limpidæ.
† Abdomen albo trivittatum.
‡ Corpus omnino fuscum.
§ Femora nigricantia.
|| Tibiæ rufescentes. - dorsiger, *Wied.*
||| Tibiæ albidæ. trimaculatus, *Pal Beauv.*
§§ Femora flavescentia. - ixyostactes, *Wied.*
‡‡ Corpus glauco-fuscum. - pungens, *Wied.*
‡‡‡ Corpus rubido-fuscanum. trinotatus, *Wied.*
§ Abdomen maculatum.
§§ Abdomen non maculatum. monochroma, *Wied.*
** Alæ subhyalinæ. - - - colombensis, *Macq.*
*** Alæ subfuscescentes - occidentalis, *Linn.*
**** Alæ subcinereæ.
† Costa subcinerea. - - surinamensis, *Macq.*

†† Costa fulva. - - - flavibarbis, *Macq.*
***** Alæ ad costam fuscescentes. obsoletus, *Wied.*
****** Alæ obscure fuscæ. - aphanopterus, *Wied.*
******* Alæ infumatæ. - - - vestitus, *Wied.*
******** Alæ sordide flavescentes.
† Antennæ nigræ. - - - impressus, *Wied.*
†† Antennæ rufescentes. - sorbillans, *Wied.*
********* Alæ flavidæ, apice fuscæ.
† Tibiæ albæ. - - - - fumatus, *Hofm.*
†† Tibiæ obscuræ. - - psolopterus, *Wied.*
viii. Corpus fusco-ferrugineum. - albovarius, *Walk.*
ix. Thorax fuscus. Abdomen ferrugineum.
basivitta, *Walk.*
x. Thorax cinereus.
* Abdomen fuscum. - - - desertus, *Walk.*
** Abdomen fulvum.
† Femora postica fulva. - missionum, *Macq.*
†† Femora postica nigra. - nuntius, *Walk.*
xi. Thorax ferrugineus. Abdomen nigrum.
albomaculatus, *Walk.*
xii. Thorax rubidus. Abdomen fulvum.
semisordidus, *Walk.*
xiii. Thorax testaceus. Abdomen nigrum.
angustus, *Macq.*
xiv. Thorax glaucus. Abdomen fuscum, apice nigrum.
fervens, *Linn.*
xv. Thorax castaneus. Abdomen ferrugineum.
castaneus, *Macq.*
xvi. Corpus nigrum.
* Abdomen vittis duabus lateralibus testaceis.
bivittatus, *Macq.*
** Thorax fulvo bivittatus. - Bonariensis, *Macq.*
*** Thoracis latera testacea. - angustifrons, *Macq.*
**** Abdomen maculis lateralibus testaceis.
testaceo-maculatus, *Macq.*
xvii. Thorax niger.
* Abdomen testaceum.
† Abdomen immaculatum. - Peruvianus, *Macq.*
†† Abdomen vitta dorsali flava. - elongatus, *Macq.*
††† Abdomen macula dorsali apiceque fuscis.
rufiventris, *Macq.*
†††† Abdomen vitta dorsali nigra. Hilarii, *Macq.*
** Abdomen fulvum.
† Abdomen vitta lateribusque nigris.
marginatus, *Macq.*

†† Abdomen incisuris flavis. - flaviventris, *Macq.*
xviii. Thorax fuscus.
* Abdomen fulvum, vitta dorsali albida.
fulviventris, *Macq.*
** Abdomen rufescens. - - rubripes, *Macq.*
*** Abdomen fuscum, lateribus testaceis.
Guyanensis, *Macq.*
xix. Corpus glauco-cærulescens. Abdominis latera ferruginea. - - - - cinerarius, *Wied.*
xx. Thorax niger, lineis testaceis. Abdomen testaceum.
* Scutellum nigrum. - - - rubidus, *Macq.*
** Scutellum testaceum. - - - fallax, *Macq.*
xxi. Thoracis latera et abdomen pallida.
* Antennæ fusco-nigræ. - - Discus, *M. B.*
** Antennæ nigræ, basi pallidæ. rubescens, *Macq.*
*** Antennæ ferrugineæ. - - - tenens, *Walk.*
**** Antennæ rufæ. - - - consequa, *Walk.*
xxii. Thorax rubido-fuscus. Abdomen ochraceum.
pellucidus, *Fabr.*
xxiii. Thorax testaceus.
* Abdomen nigricans. - - rubrithorax, *Macq.*
** Abdomen nigrum. - - - luctuosus, *Macq.*
xxiv. Corpus ferrugineum. - - unicolor, *Wied.*
xxv. Thorax testaceus.
* Abdomen rufum. - - - aurora, *Macq.*
** Abdomen fulvum.
† Abdomen fascia fusca. - fuscofasciatus, *Macq.*
†† Abdomen fascia viridi. - viridiventris, *Macq.*
xxvi. Corpus viridi pallidum.
* Alæ fuscanæ. - - - - testaceus, *Macq.*
** Alæ rufescentes. - - - rufipennis, *Macq.*
*** Alæ flavidæ. - - sulphureus, *Macq.*
**** Alæ limpidæ. - - - mexicanus, *Linn.*
xxvii. Corpus albidum. Abdomen medio testaceum, apice fuscum. - - - - albicans, *Macq.*
b. Alæ vittatæ.
i. Thorax niger.
* Abdominis segmenta fulvo marginata.
fulvilateralis, *Macq.*
** Abdominis segmenta albo maculata.
albibarbis, *Wied.*
ii. Thorax fuscus. - - - - miles, *Wied.*
iii. Thorax rubidus. - - - planiventris, *Wied.*
iv. Thorax testaceus. - - concurrens, *Walk.*

c. Alæ maculatæ.
i. Alæ macula fusca.
* Scutellum non albidum.
† Corpus rufescente fuscum. - trilineatus, Le
†† Corpus fuscum. - - tæniotes, Wa
††† Corpus nigricans. - - nigripalpis, Ma
†††† Thorax subglaucus. Abdomen melleum. varius, Wa
** Scutellum albidum. - - - rufescens, Fa
ii. Alæ venis transversis nigro maculatis. maculipennis, Ma
iii. Alæ venis fusco-fulvo marginatis. maculipennis, Ma
iv. Alæ maculis quatuor fuscis. quadrimaculatus, Ma
v. Alæ fusco punctatæ. - - punctipennis, Ma
vi. Alæ fusco maculatæ.
* Corpus canescens. - - quadripunctatus, Fa
** Corpus rubido-fuscum. - maculipennis, Fa
vii. Alæ fusco plagiatæ. - monogramma, Fa
* Abdomen univittatum.
** Abdomen trivittatum. - - importunus, Fa
viii. Alæ nigro maculatæ. - - - histrio, Fa
ix. Alæ fuscæ, macula apiceque hyalinis. fenestratus, Ma
x. Alæ fuscæ.
* Alæ apice limpidæ. - - - limpidapex, Ma
** Alæ excisura lata apicali limpida. fuscipennis, Wa
xi. Alæ fuscæ, alboguttatæ. - guttipennis, Fa
xii. Alæ cinereæ maculis duabus sublimpidis. pubescens, Wa
d. Alæ fasciatæ.
i. Alæ fuscæ, hyalino fasciatæ. - fascipennis, Ma
ii. Alæ hyalinæ, fusco fasciatæ. - - apicalis, Wa
e. Alæ fascia angulari maculisque nigro-fuscis. potator, Fa
f. Alæ bivittatæ et unifasciatæ. - - pictipennis, Ma
B. Abdomen basi triangulo notatum.
a. Abdomen vittatum. - - - triangulum, Fa
b. Abdomen non vittatum. - trigonophorus, Wa
B. Tibiæ ciliatæ.
A. Alæ flavescente cinereæ. - - variventris, Ma
B. Alæ nigræ. - - - - - - festivus, Wa
B. Tibiæ dilatatæ. - - - - - - compactus, Wa
Sectio ——— ?
antarctious, La

178. TABANUS MODESTUS.

gellus ; antennæ rufo-flavæ ; abdomen vitta media angusta, lateralibus abbreviatis marginibusque albis ; alæ subhyalinæ.

nus modestus, *Wied. Auss. Zweifl.* i. 146, 56.

il.

179. TABANUS TRIFARIUS.

œm. *Niger ; oculi hirsuti ; antennæ basi testacei ; abdomen trifariam albido maculatum ; pedes testacei, tarsis nigricantibus ; alæ subhyalinæ.*

ınus trifarius, *Macq. Dipt. Exot.* i. 1, 141, 37.

i.

180. TABANUS COMITANS.

igellus ; antennæ ferrugineæ ; thorax albo trivittatus ; abdomen incisuris maculisque albis ; tibiæ flavescentes, anticæ dimidio apicali fusco ; alæ limpidæ.

ıanus comitans, *Wied. Auss. Zweifl.* i. 175, 96.

ızil.

181. TABANUS RUBIGINIPENNIS.

Fœm. *Niger ; thorax rufo tomentosus ; tibiæ fuscæ ; alæ rubiginosæ.*

banus rubiginipennis, *Macq. Dipt. Exot. Suppl.* 1, 39, 81.

w Grenada. Temperate Region.

182. TABANUS FLAVIFACIES.

Fœm. *Niger ; antennæ basi cinereæ ; thorax vittis cæsiis ; abdomen trifariam maculis dorsalibus albis ; tibiæ testaceæ ; alæ fuscanæ.*

banus flavifacies, *Macq. Dipt. Exot. Suppl.* 1, 36, 73.

ılombia.

183. Tabanus Valterii.

Fœm. *Niger; antennæ basi testacea, furca subelongata; abdominis latera, venter tibiæque testacea; femora tarsique fusca; alæ cinereæ, basi et costa subfuscæ.*

Tabanus Valterii, *Macq. Dipt. Exot.* i. 2, 184.

Brazil.

184. Tabanus chilensis.

Fœm. *Niger; antennæ basi testaceæ; abdominis segmentorum margines postici pedesque fulvi; tibiæ apice tarsique nigri; alæ subcinereæ.*

Tabanus chilensis, *Macq. Dipt. Exot.* i. 1, 141, 38.

Chili.

185. Tabanus importunus.

Fœm. *Niger; antennæ fulvæ, apice nigræ; abdominis incisuræ fulvæ; tibiæ posteriores fulvæ, anticæ basi albæ; alæ cinereæ, venæ cubitalis ramo 1o furcato.*

Tabanus importunus, *Macq. Dipt. Exot. Suppl.* 2, 18, 96.

Brazil.

186. Tabanus alboater.

Niger; albo hirtus; antennæ et pedes nigræ; caput album; thoracis latera ferruginea; pectus canum; abdomen fasciis albis trivittatum; alæ cinereæ.

Tabanus alboater, *Walk. Zool.* viii. *Append.* lxvi.

a. Parà. From Mr. Bates' collection.

187. Tabanus auribarbis.

Niger, latus; barba aurea; scutellum testaceum; alæ nigrinæ; macula fusca.

Tabanus auribarbis, *Macq. Dipt. Exot. Suppl.* 3, 12, 94.

Quito, Peru.

188. TABANUS LEUCASPIS.

lus; scutellum, abdominis fasciæ tibiæque basi alba; alæ limpidæ.

s leucaspis, *Wied. Auss. Zweifl.* i. 179, 113.

189. TABANUS CINEREUS.

reus; thoraxæ fusco quadrivittatus; abdominis segmenta fusco quadrimaculata; alæ limpidissimæ.

is cinereus, *Wied. Dipt. Exot.* i. 89, 48; *Auss. Zweifl.* i. 167, .

America.

190. TABANUS TRIVITTATUS.

ellus; antennæ tibiæque ferrugineæ; abdomen fuscum, albo trivittatum.

us trivittatus, *Fabr. Syst. Antl.* 104, 40. *Wied. Dipt. Exot.* 85, 41; *Auss. Zweifl.* i. 172, 91.

191. TABANUS PLANGENS.

m. *Nigro-piceus, subtus albo tomentosus; palpi albidi; antennæ rufæ, parvæ, arcuatæ, subdilatatæ, apice nigræ; abdomen albido trivittatum, lateribus subtus testaceis; pedes nigri, femoribus apice tibiisque posterioribus fulvis, tibiis anticis basi albis; alæ cinereæ.*

m. Piceous black, whitish, and clothed with white tomentum lown beneath. Head with a small black callus in front be- the eyes. Eyes composed of extremely small facets. Palpi sh. Antennæ small, red, curved, black towards the tips; third slightly dilated, forming a nearly right angle. Abdomen with whitish bands, the lateral pair indistinct; sides testaceous be- . Legs black; tibiæ and tips of the femora of the four pos- r legs tawny; fore tibiæ white towards the base. Wings gray; na brown; veins black; cubital vein forming an obtuse or tly obtuse angle near the base; in the latter case it rejects the

rudiment of a branch; subanal vein joining the anal at some distance from the border. Length of the body 5—5½ lines; of the wings 9—10 lines.

a, *b*. Parà. From Mr. Bates' collection.

192. Tabanus olivaceiventris.

Mas. *Niger; thorax tomentosus; antennæ dente longo; abdomen olivaceum; alæ flavescenti-cinereæ.*

Tabanus olivaceiventris, *Macq. Dipt. Exot. Suppl.* 2, 18, 96.

Parà.

193. Tabanus caiennensis.

Niger, fulvo hirtus; antennæ fulvæ; abdomen basi ferrugineum, incisuris flavo pilosis; femora postica rufa; alæ [illegible] limpidæ.

Tabanus caiennensis, *Fabr. Ent. Syst.* iv. 366, 19; *Syst. Antl.* 22. *Wied. Dipt. Exot.* i. 91, 52; *Auss. Zweifl.* i. 178, 16

Cayenne, Brazil.

194. Tabanus theotænia.

Niger; abdomen basi sulphureum; alæ nigræ, summo [illegible] dilutiores.

Tabanus theotænia, *Wied. Auss. Zweifl.* i. 136, 38.

Brazil.

195. Tabanus tristis.

Niger; abdomen basi flavum; alæ flavæ, apice infumatæ.

Tabanus tristis, *Wied. Auss. Zweifl.* i. 164, 81.

Brazil.

196. Tabanus callosus.

Fœm. *Niger; antennæ fulvæ, abdominis latera testaceo; [illegible] fulvæ albo pubescentes, apice nigræ; alæ hyalinæ.*

Tabanus callosus, *Macq. Dipt. Exot. Suppl.* 3, 11, 91.

Rio Negro.

197. Tabanus recedens.

; caput cano tomentosum; antennæ basi fulvæ; thorax zno trivittatus; abdomen fulvum, vitta dorsali apiceque igris, segmentorum marginibus posticis testaceis; pedes fulvi, ibiis anticis apice tarsis anticis femoribusque nigris; alæ inereæ, venis fulvis fusco nebulosis.

More slender than *T. triligatus*, to which it is nearly Black. Head much more than twice broader than long, with hoary tomentum and down. Palpi testaceous. Anawny towards the base. Thorax with three hoary stripes, with hoary hairs; a few black hairs on each side, and r callus before each wing. Abdomen tawny, with a black which is dilated towards the tip, and there occupies the urface; hind borders of the segments testaceous. Legs femora, fore tarsi and tips of the fore tibiæ black. Wings eins tawny, slightly clouded with brown; transverse veinlets and more clouded; first branch of the cubital vein simple, r an obtuse angle near its base; subanal joining the anal at istance from the border. Halteres tawny, black towards the hich are testaceous. Length of the body 6½ lines; of the 12 lines.

it Coast of America. Presented by Capt. Kellett and Lieut. Wood.

198. Tabanus fuscus.

:us; abdomen nigellum; alæ fuscanæ.

ıus fuscus, *Wied. Zool. Mag.* iii. 41, 1; *Dipt. Exot.* i. 68, 12; *Muss. Zweifl.* i. 121, 14.

l.

199. Tabanus clausus.

em. *Fuscus; antennæ pedesque nigra; abdomen cæruleo-nigrum; alæ fuscanæ, venæ cubitalis ramo 2o venaque externo-media 1a conjunctis.*

nus clausus, *Macq. Dipt. Exot. Suppl.* 2, 17, 95.

il.

200. Tabanus stigma.

Fuscanus; antennæ ferrugineæ apice nigræ; thorax albido tri-tatus; abdomen cinerascens vitta media maculisque fusc alæ subquadripunctatæ.

Tabanus stigma, *Fabr. Syst. Antl.* 104, 50. *Wied. Dipt. Ex* 92, 53; *Auss. Zweifl.* i. 180, 104.

South America. Isle St. Thomas.

201. Tabanus viduus.

Cinereus; palpi antennæque nigra, harum articulus 3us pic abdomen ferrugineum, apice nigrum; pedes picei, fem nigris; alæ cinereæ, basi et ad costam fuscæ.

Tabanus viduus, *Walk. Zool.* viii. *Append.* lxviii.

a, b. Parà. From Mr. Bates' collection.

202. Tabanus dorsiger.

Fuscus; thorax obsolete albido vittatus; abdomen albo trivitt alæ limpidæ.

Tabanus dorsiger, *Wied. Dipt. Exot.* i. 83, 38; *Auss. Zwei* 173, 92.

Brazil.

203. Tabanus trimaculatus.

Fuscus; thorax albido lineatus; abdomen cinereo margin maculis tribus albis; tibiæ albæ.

Tabanus trimaculatus, *Pal. Beauv. Ins.* 56, pl. 1, f. 5. *Wied. Zweifl.* i. 137, 40. *Macq. Dipt. Exot.* i. 1, 142, 42. (Un States?)

South America.

204. Tabanus ixyostactes.

us; thorax albido vittatus; antennæ luteæ; abdomen vitta maculis trigonis et utrinque guttis transversis albis; alæ limpidæ.

s ixyostactes, *Wied. Auss. Zweifl.* i. 190, 119.

205. Tabanus pungens.

co-fuscus; thorax obsolete vittatus; antennæ rufescentes, apice nigræ; abdomen vitta maculari et maculis obliquis albis; pedes nigro-fusci; tibiæ pallidæ, anticæ apices versus nigræ; alæ limpidæ.

is pungens, *Wied. Auss. Zweifl.* i. 175, 97.

Video.

206. Tabanus trinotatus.

ido-fuscanus; thorax albido lineatus; abdomen trifariam maculatum; alæ limpidæ.

us trinotatus, *Wied.*

a, on the Amazon. From Mr. Bates' colllection.

207. Tabanus monochroma.

bido-fuscus, nigro hirtus; alæ fuscanæ, furcæ apicalis ramo interno a vena sequente remoto.

nus monochroma, *Wied. Auss. Zweifl.* i. 555, 27,

æ Video.

208. Tabanus Colombensis.

m. *Fuscus; antennæ fulvæ, apice nigræ; abdomen vittis duabus albidis; pedes fulvi, femora antica tarsique nigra, tibiæ anticæ basi albidæ apice nigræ; alæ subhyalinæ.* Long. 6 lin.

nus Colombensis, *Macq. Dipt. Exot. Suppl.* 1, 37, 76.

mbia.

209. Tabanus occidentalis.

Fuscus; antennæ fulvæ; thorax fulvo hirtus; abdomen [illegible] *trivittatum; pedes fulvi, antici nigri; alæ subfuscescen*[illegible]

Tabanus occidentalis, *Linn.*

Brazil.

210. Tabanus surinamensis.

Fœm. *Antennæ rufæ, apice nigræ; thorax fuscus;* [illegible] *rufum, maculis dorsalibus flavescentibus, lateralibus* [illegible] *pedes rufi; alæ subcinereæ, venæ cubitalis ramo* [illegible]

Tabanus surinamensis, *Macq. Dipt. Exot.* i. 1, 132, 22.

Surinam.

211. Tabanus flavibarbis.

Fœm. *Fuscus; antennæ nigræ, basi testaceæ; abdomen* [illegible] *dorsalibus vittisque lateralibus albidis; pedes fulvi.* [illegible] *nigricantibus; alæ subcinereæ, costa fulva.*

Tabanus flavibarbis, *Macq. Dipt. Exot. Suppl.* 1, 41, 85.

Cayenne.

212. Tabanus obsoletus.

Fuscus; antennæ luteæ, apice nigræ; abdomen trivittatum [illegible] *media angustiore et obsoleta; pedes nigro-fusci, tibiis* [illegible] *centibus; alæ hyalinæ, ad costam fuscescentes.*

Tabanus obsoletus, *Wied. Dipt. Exot.* i. 85, 42; *Aus. Zw.* [illegible] 174, 95.

Bahia.

213. Tabanus aphanopterus.

Fuscanus, fulvo hirtus; antennæ rufo-flavæ, apice nigræ; [illegible] *glaucescens; abdomen apice obscurius; alæ saturate fus*[illegible]

Tabanus aphanopterus, *Wied. Aus. Zweifl.* i. 148, 59.

Brazil.

214. Tabanus vestitus.

rticolor; abdomen badium, albo maculatum; alæ infumatæ.

us vestitus, *Wied. Zool. Mag.* iii. 42, 2; *Dipt. Exot.* i. 70, 15; *uss. Zweifl.* i. 128, 26.

215. Tabanus impressus.

rate fuscus; thorax striis tribus impressis; abdomen subbadium; furcæ apicalis ramus internus vena sequente conjunctus.

us impressus, *Wied. Auss. Zweifl.* i. 126, 23.

216. Tabanus sorbillans.

ridо-fuscanus; abdomen vitta maculari alba; alæ pallide flavofuscescentes; halteres flavi, apice albi; pedes rubidi.

ius sorbillans, *Wied.*

l.

217. Tabanus fumatus.

nino glandicolor; alæ flavidæ, costa apiceque fuscis; tibiæ albæ.

nus fumatus, *Hoffmansegg, Wied. Dipt. Exot.* i. 91. 50; *Auss. Zweifl.* i. 177, 99.

il.

218. Tabanus psolopterus.

turate fuscus; antennæ rufo-flavæ; abdomen vitta flavida; alæ flavidæ, apice infumatæ.

mus psolopterus, *Wied. Auss. Zweifl.* i. 181, 105.

te Video.

219. Tabanus albovarius.

Fœm. *Fusco-ferrugineus; palpi fusci, basi testacei; antennæ subarcuatæ, simplices, vix dilatatæ; thorax albo quadrim-tus; scutellum et pectus albo tomentosa; abdomen e[illegible] albis trivittatum; pedes fulvi, tarsis nigris; alæ subcinere[illegible]*

Male. Brownish ferruginous. Head clothed with white [illegible] and tomentum, with a long and very narrow ferruginous callus [illegible] tween the eyes, which are æneous, nearly contiguous above, [illegible] composed of extremely small facets. Palpi brown, testaceous [illegible] base. Antennæ brown, slightly curved; third joint a little di[illegible] forming a slightly obtuse angle. Thorax with two white stripe[illegible] each side. Scutellum and pectus with white tomentum. Ab[illegible] with three rows of white spots, the middle spots triangular; [illegible] borders of the ventral segments with white tomentum. Legs [illegible] tarsi black. Wings slightly gray; stigma ferruginous; [illegible] black; first branch of the cubital simple, forming an obtuse [illegible] near its base; subanal vein joining the anal near the b[illegible] Length of the body 5½ lines; of the wings 1 line.

a. Ega, on the Amazon. From Mr. Bates' collection.

220. Tabanus basivitta.

Fuscus; antennæ ferrugineæ, basi fulvæ; pectus cinereum; [illegible]men ferrugineum, basi nigro vittatum; pedes ferruginei, [illegible] nigris; alæ cinereæ, basi costaque fuscis.

Tabanus basivitta, *Walk. Zool.* viii. *Append.* lxviii.

a. Parà. From Mr. Bates' collection.

221. Tabanus desertus.

Cinereus; thoracis latera fulva; pectus canum; abdomen fu[illegible] maculis trigonis fulvis trivittatum, lateribus ferrugi[illegible] ventre fulvo; pedes fulvi; alæ cinereæ.

Tabanus desertus, *Walk. Zool.* viii. *Append.* lxix.

Parà. From Mr. Bates' collection.

222. Tabanus missionum.

ı. *Cinereus; antennæ fulvæ apice fuscæ; abdomen fulvum, vitta dorsali nigricante; pedes fulvi, tibiis anticis nonnunquam basi albis apice nigris, tarsis anticis fuscis; alæ hyalinæ, venæ cubitalis ramo 1o furcato.*

ıs missionum, *Macq. Dipt. Exot.* i. 2, 186.

223. Tabanus nuntius.

. *Niger; oculi ænei; palpi albi; antennæ parvæ, fulvæ, subarcuatæ, simplices, vix dilatatæ; thoracis latera fulva; abdomen fulvum, vitta lata nigra; pedes fulvi, tibiis anticis apice, tarsis anticis femoribusque nigris; alæ subcinereæ.*

Male. Black. Head clothed beneath with white tomentum own. Eyes æneous, composed of extremely small facets. white. Antennæ small, tawny, black at the tips, slightly ; third joint hardly dilated, forming an obtuse angle above. ı slightly covered with gray tomentum; sides tawny. Pectus whitish tomentum. Abdomen tawny, with a broad black stripe. Legs tawny; femora, fore tarsi, and tips of fore black. Wings grayish; veins black, tawny at the base and the costa; cubital vein simple, forming a very obtuse angle ts base; subanal joining the anal at some distance from the :. Halteres white. Length of the body 4½ lines; of the 9 lines.

ıtarem, Brazil. From Mr. Bates' collection.

224. Tabanus albomaculatus.

ıs. *Ferrugineus; oculi ænei; palpi picei, basi testacei; antennæ nigræ, furcatæ, subarcuatæ, valde acuminatæ; thorax nigro trivittatus; pectus nigro varium; abdomen nigrum, vittis duabus macularibus albis; pedes nigri; alæ obscure fuscæ, apicibus, marginibus posticis maculisque nonnullis cinereis.*

Male. Ferruginous. Head with testaceous tomentum and ı. Eyes æneous, composed of extremely small facets. Palpi

piceous, testaceous at the base. Antennæ black, much acumin[illegible] slightly curved; third joint armed with an acuminated mode[illegible] long horn. Thorax with three blackish stripes. Pectus [illegible] black. Abdomen black, with two rows of white spots. Legs [illegible] Wings dark brown; tips, hind border and disks of some of [illegible] areolets gray; veins black; cubital vein simple, forming a [illegible] obtuse and somewhat rounded angle; subanal joining the [illegible] some distance from the border. Halteres tawny, with [illegible] knobs. Length of the body 10 lines; of the wings 18 lines.

a. Brazil. From Mr. Bates' collection.

225. Tabanus semisordidus.

Ferrugineus; oculi æmei; palpi albi; antennæ piceæ, [illegible] valde arcuatæ, vix dilatatæ, basi fulvæ; thorax nigro [illegible] vittatus; abdomen vitta interrupta nigra; pedes fulv[illegible] anticis apice femoribus anticis tarsisque piceis; alæ [illegible] antice fuscæ maculis pallidioribus.

Female. Ferruginous. Head clothed with whitish tom[illegible] and down, with a much elongated callus between the eyes. [illegible] æneous, composed of extremely small facets. Palpi white [illegible] tennæ piceous, much curved, tawny towards the base; fir[illegible] second joints angular above; third slightly dilated, form[illegible] acute angle. Thorax with four black stripes. Abdomen [illegible] an interrupted black stripe, which is most conspicuous towa[illegible] tip. Legs tawny; tarsi, fore femora and tips of fore tibiæ pic[illegible] Wings gray; fore part for two-thirds of the length and ha[illegible] breadth brown, excepting the disks of some of the areolets: [illegible] black; cubital vein simple, forming a slightly obtuse angle ne[illegible] base; subanal joining the anal at some distance from the [illegible] Length of the body 7½ lines; of the wings 15 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

226. Tabanus angustus.

Fœm. *Antennæ pedesque rufa; thorax testaceus; abdomen [illegible] gatum, nigricans, vittis tribus albidis; alæ hyalinæ.*

Tabanus angustus, *Macq. Dipt. Exot.* i. 1, 136, 29, pl. 17, f. 3.

Distinguished from *T. modestus*, *trivittatus*, *&c.* by its ta[illegible] fore legs.

Monte Video.

227. Tabanus fervens.

ıus, fulvo hirtus; abdomen fuscanum, apice nigellum, vitta ostice latiore fulva.

, fervens, *Linn. Syst. Nat.* ii. 1000, 9. *Deg. Ins.* vi. 228, 1. 30, f. 4. *Fabr. Ent. Syst.* iv. 365, 12; *Syst. Antl.* 95, *Wied. Aus. Zweifl.* i. 185, 112.

228. Tabanus castaneus.

neus; frons, facies, palpi et antennæ ferruginea, hæ dente longato; abdomen ferrugineum; pedes fulvi, femoribus tarisque posticis fuscis; alæ hyalinæ, costa flava.

.s castaneus, *Macq. Hist. Nat. Dipt.* i. 8, 4.

e.

229. Tabanus bivittatus.

ı. *Niger; abdomen vittis duabus lateralibus testaceis; pedes fulvi, tarsis anticis nigris; alæ flavescentes, venæ cubitalis ramo 1o subfurcato.*

us bivittatus, *Macq. Dipt. Exot. Suppl.* 1, 35, 72.

230. Tabanus bonariensis.

m. *Niger; thorax vittis duabus maculisque duabus fulvis; abdominis segmentorum 2i, 3i, 4ique latera pedesque fulva; alæ subcinereæ, basi et ad costam subflavæ.*

.us bonariensis, *Macq. Dipt. Exot.* i. 1, 138, 33.

ɔs Ayres.

231. Tabanus angustifrons.

m. *Niger; thoracis latera tibiæque basi testacea; venter incisuris albidis; alæ subcinereæ.*

ıus angustifrons, *Macq. Dipt. Exot. Suppl.* 3, 12, 93.

ane.

232. Tabanus testaceo-maculatus.

Fœm. *Niger; antennæ basi testaceæ; oculi hirsuti; abdomen maculis lateralibus testaceis, incisurisque albidis; pedes tarsis nigricantibus; alæ hyalinæ.*

Tabanus testaceo-maculatus, *Macq. Dipt. Exot.* i. 1, 140, 36.
Chili.

233. Tabanus Peruvianus.

Fœm. *Niger; antennæ testaceæ, apice fuscæ, dente elongato; abdomen tibiæque testaceæ; alæ fuscæ.*

Tabanus Peruvianus, *Macq. Dipt. Exot. Suppl.* 3, 13, 95.
Quito, Peru.

234. Tabanus elongatus.

Fœm. *Longus, niger; antennæ fulvæ, apice nigræ; abdomen testaceum, vitta dorsali flava; pedes fulvi; alæ flavidæ.*

Tabanus elongatus, *Macq. Dipt. Exot. Suppl.* 1, 38, 79, pl. 4.
New Grenada. Temperate Region.

235. Tabanus rufiventris.

Fœm. *Niger; antennæ testaceæ apice nigræ; abdomen testaceum, macula dorsali apiceque fuscis; pedes fulvi; alæ rufescentes.*

Tabanus rufiventris, *Macq. Dipt. Exot. Suppl.* 1, 38, 78.
Santa Fe de Bogota.

236. Tabanus Hilarii.

Fœm. *Niger; antennæ basi subtus testaceæ; abdomen testaceum, vitta dorsali angusta nigra; tibiæ testaceæ; alæ subcinereæ, costa flavescentes, venæ cubitalis ramo 1o furcato.*

Tabanus Hilarii, *Macq. Dipt. Exot.* i. 2, 185.
Brazil.

237. Tabanus marginatus.

Niger; antennæ basi fulvæ; abdomen fulvum, vitta lateriusque nigris; tibiæ testaceæ; alæ subflavescentes, venæ cubitalis ramo 1o furcato.

s marginatus, *Macq. Dipt. Exot. Suppl.* 3, 12, 92.

238. Tabanus flaviventris.

. *Niger; abdomen fulvum incisuris flavis; alæ flavescentes, basi nigro-fuscæ.*

s flaviventris, *Macq. Dipt. Exot. Suppl.* 3, 11, 90.

gro.

239. Tabanus fulviventris.

n. *Angustus, fulvus; antennæ apice nigræ; thorax fuscus; abdomen vitta dorsali albida; tarsi fusci; alæ hyalinæ, venæ cubitalis ramo 1o furcato.*

us fulviventris, *Macq. Dipt. Exot. Suppl.* 1, 36, 75.

240. Tabanus rubripes.

m. *Antennis testaceæ, apice fuscæ; thorax fuscus; abdomen rufescens; pedes rubræ; alæ fuscanæ, venæ cubitalis ramo 1o furcato.*

nus rubripes, *Macq. Dipt. Exot.* i. 1, 134, 25.

nne.

241. Tabanus Guyanensis.

em. *Fuscus; antennæ nigræ; thorax vitta cinerea; abdomen maculis dorsalibus cinereis, lateribus testaceis; tibiæ testaceæ; alæ subcinereæ, basi et costa fuscis.*

anus Guyanensis, *Macq. Dipt. Exot. Suppl.* 1, 41, 84, pl. 4, f. 9.

ana.

242. Tabanus cinerarius.

Glauco-cærulescens; abdomen ferrugineum, vitta medii [illegible] *glauco-cærulescentibus; alæ infumatæ.*

Tabanus glaucus, *Wied. Zool. Mag.* iii. 42, 3; *Dipt. Ex* [illegible] 69, 13.
Tabanus cinerarius, *Wied. Auss. Zweifl.* i. 121, 15.
Brazil.

243. Tabanus rubidus.

Fœm. *Niger; thoracis lineæ et abdomen testacea; tibiæ fu* [illegible] *alæ fuscanæ.*

Tabanus rubidus, *Macq. Dipt. Exot. Suppl.* 2, 19, 100.
Cayenne.

244. Tabanus fallax.

Fœm. *Testaceus; antennæ et thorax nigra, hujus latera et* [illegible] *lum testacea, tarsi nigri; alæ fuscanæ, venæ cubitalis* [illegible] *2o venaque externo-mediali 1a conjunctis.*

Tabanus fallax, *Macq. Dipt. Exot. Suppl.* 2, 20, 101.
Cayenne.

245. Tabanus Discus.

Ferruginosus; thoracis discus, scutellum basi, pedesque fu [illegible] *nigra; alæ flavidæ.*

Tabanus Discus, *M. B. Wied. Auss. Zweifl.* i 123, 18.
Brazil.

246. Tabanus rubescens.

Fœm. *Niger; antennæ basi thoracisque latera testacea; abdo* [illegible] *rubescens, maculis dorsalibus nigris; pedes rufi.*

Tabanus rubescens, *Macq. Dipt. Exot.* i. 1, 139, 34.
Monte Video.

247. Tabanus tenens.

ıs ; antennæ, thoracis latera et pedes ferruginea ; abdomen ·rugineum, vitta cinerea ; femora cinerea ; tarsi picei, an-·ā nigri ; alæ cinereæ, basi costa venarumque marginibus ıvo-fuscis.

tenens, *Walk. Zool.* viii. *Append.* lxv.

From Mr. Badgerley's collection.

248. Tabanus consequa.

:s ; caput album ; antennæ rufæ ; thoracis discus fuscus ; ·ectus canum ; abdomen vittis duabus fulvo-piceis ornatum ; 'arsi pedesque antici nigri ; tibiæ anticæ basi albæ ; alæ sub-·inereæ, basi et ad costam subfulvæ.

.s consequa, *Walk. Zool.* viii. *Append.* cxxi.

ı. From Mr. Bates' collection.

249. Tabanus pellucidus.

ido-fuscus ; abdomen ochraceum ; alæ infumatæ.

us pellucidus, *Fabr. Syst. Antl.* 97, 21. *Wied. Dipt. Exot.* 70, 16 ; *Aust. Zweifl.* i. 129, 27.

America.

250. Tabanus rubrithorax.

em. *Testaceus ; antennæ apice nigræ ; abdomen nigricans, maculis dorsalibus flavescentibus ; pedes fulvi, tarsis fuscis ; alæ hyalinæ, venæ cubitalis ramo 1o furcato.*

nus rubrithorax, *Macq. Dipt. Exot.* i. 1, 139, 35.

il.

251. Tabanus luctuosus.

œm. *Niger ; antennæ dente elongato ; thorax testaceus, fusco trivittatus ; alæ cyaneo-nigræ.*

anus luctuosus, *Macq. Dipt. Exot.* i. 1, 135, 27.

zil.

252. Tabanus unicolor.

Saturatissime ferrugineus; alæ limpidæ, venis et stigmate fu

Tabanus unicolor, *Wied. Aus. Zweifl.* i. 141, 47.
Brazil.

253 Tabanus aurora.

Fœm. *Rufus; thorax testaceus; alæ rufescentes.*

Tabanus aurora, *Macq, Dipt. Exot.* i. 1, 138, 32.
Brazil.

254. Tabanus fuscofasciatus.

Fœm. *Fulvus; antennæ apice nigræ; thorax testaceus; ab men fascia dorsali fusca; alæ subcinereæ, basi et ad c subrufæ.*

Tabanus fuscofasciatus, *Macq. Dipt. Exot.* i. 1, 136, 30.
Brazil.

255. Tabanus viridiventris.

Fœm. *Fulvus; antennæ dente elongato; thorax testaceus; minis segmenta 2um, 3umque viridia.*

Tabanus viridiventris, *Macq. Dipt. Exot.* i. 1, 137, 31.
Rio Janiero.

256. Tabanus testaceus.

Fœm. *Testaceus; frons angusta; alæ fuscanæ.*

Tabanus testaceus, *Macq. Dipt. Exot.* i. 1, 133, 23.
Tabanus fuscus, Var.?
Cayenne.

257. Tabanus rufipennis.

Fœm. *Testaceus; antennæ fuscæ, dente elongato; pedes nig alæ rufescentes.*

Tabanus rufipennis, *Macq. Dipt. Exot.* i. 1, 134, 26.
Brazil.

258. TABANUS SULPHUREUS.

reus ; antennæ apice nigræ ; alæ flavidæ.

sulphureus, *Macq. Dipt. Exot. Suppl.* 2, 19, 99.

259. TABANUS MEXICANUS.

cens aut viridi-albus ; thorax flavido aut cinereo hirtus ; bdomen pellucidum, apice fuscum ; alæ limpidæ, punctatæ nis viridibus.

mexicanus, *Linn. Syst.* ii. 1000, 10. *Fabr. Sp. Ins.* ii. , 16 ; *Ent. Syst.* iv. 367, 22 ; *Syst. Antl.* 98, 25. *Wied. t. Exot.* i. 76, 29 ; *Auss. Zweifl.* ii. 147, 58.
s olivaceus, *Deg. Ins.* vi. 230, 6, pl. 30, f. 6. *Macq. Dipt. ot.* i. 1, 143, 43.
s punctatus, *Fabr. Ent. Syst.* iv. 368, 25.
s inanis, *Fabr. Ent. Syst.* iv. 368, 26.
s ochroleucus, *Meig. Dipt.* ii. 62, 41.

? and South America.

? *Viridi-flavus ; antennæ fulvæ, basi flavæ ; abdomen apice fulvum ; pedes viridi-flavi ; alæ albidæ.*

s viridi-flavus, *Walk. Zool.* viii. *Append.* lxvi.

zil.

260. TABANUS ALBICANS.

. *Albidus ; antennæ testaceæ, apice nigræ ; abdomen medio testaceum, apice fuscum ; pedes nigri, tibiæ antice albæ ; alæ hyalinæ.*

us albicans, *Macq. Dipt. Exot. Suppl.* 1, 37, 76, pl. 4, f. 2.

bia.

261. Tabanus fulvilateralis.

Fœm. *Niger; abdominis segmenta fulvo marginata, latera basi tibiisque fulvis; alæ subcinereæ, venis fusco margin*

Tabanus fulvilateralis, *Macq. Dipt. Exot.* i. 1, 133, 24.

Allied to *T. tropicus.*

Cayenne.

262. Tabanus albibarbis.

Nigellus; abdomen rubidum, trifariam albo maculatum; venis fuscano limbatis, venæ cubitalis ramo 2o venæ terno-mediali 1a conjunctis.

Tabanus albibarbis, *Wied. Anal. Entom.* 21, 6; *Auss. Zweifl.* 125, 22.

South America.

263. Tabanus miles.

Fuscus; thorax vittis duabus lateribusque flavido-albis; abdomen vitta maculari incisurisque albis; alæ venis obsoletis limbatis.

Tabanus miles, *Wied. Auss. Zweifl.* ii. 139, 44.

Brazil.

264. Tabanus planiventris.

Lilacino-rubidus; antennæ ferrugineæ; abdomen mellceum, utrinque flavo pilosum; alæ flavo venosæ.

Tabanus planiventris, *Weid. Auss. Zweifl.* i. 139, 44.

Brazil.

265. Tabanus concurrens.

Mas. *Obscure testaceus; antennæ fulvæ, apice nigræ; abdomen apice piceum; pedes fulvi; alæ cinereæ, basi fuscæ, cinereo unimaculata fuscis.*

Male. Dingy testaceous. Eyes blackish, composed of extremely minute facets. Proboscis black. Palpi testaceous. Antennæ

nple, black towards the tips; third joint with a very short
bdomen piceous towards the tip. Legs tawny. Wings
wn at the base, and with a broad irregular brown band,
es not reach the hind border, and contains a gray spot.
testaceous, with piceous knobs. Length of the body 3
the wings 6 lines.

Coast of America. Presented by Capt. Kellett and Lieut.
od.

266. Tabanus trilineatus.

*cente-fuscus; caput subtus pectusque subcinerea; tibiæ anticæ
igræ, basi ad medium albæ; alæ marginem externum versus
macula fusca.*

s trilineatus, *Latr.*

267. Tabanus tæniotes.

*us; antennæ luteæ; abdomen fuscanum, vitta albida; alæ
apice ad costam fuscanæ.*

s tæniotes, *Wied. Aus. Zweifl.* i. 188, 116.

268. Tabanus nigripalpis.

m. *Angustus, nigricans; antennæ testaceæ, basi apiceque
nigræ; alæ hyalinæ, macula fusca.*

us nigripalpis, *Macq. Dipt. Exot. Suppl.* 1, 40, 82, pl. 4,
7, 8.

Grenada. Temperate Region.

269. Tabanus varius.

*bglaucus; antennæ luteæ, apice nigro-fuscæ; thorax fascia
scutelloque fuscis; abdomen melleum, maculis late trigonis
fuscis; alæ fusco variegatæ.*

nus varius, *Wied. Aus. Zweifl.* i. 189, 117.

il.

270. Tabanus rufescens.

Ferrugineo-rubidus; scutellum albidum; alæ limpidæ, macula magna fusca.

Tabanus rufescens, *Fabr. Syst. Antl.* 100, 33. *Wied. Dipt. Exot.* i. 81, 35; *Auss. Zweifl.* i. 161, 77.

South America.

271. Tabanus maculipennis. (Nomen bis lectum.)

Fœm. *Niger; abdomen fuscum, basi fulvum; tibiæ fulvæ; alæ subhyalinæ, venis transversis nigro maculatis.*

Tabanus maculipennis, *Macq. Dipt. Exot. Suppl.* 1, 34, 70, pl. 3, f. 14.

Brazil.

272. Tabanus maculipennis.

Testaceo-fulvus; antennæ dentatæ; thorax indistincte vittatus; abdominis segmenta maculis dorsalibus fuscis; alarum venæ fusco-fulvo late limbatæ.

Tabanus maculipennis, *Macq. Hist. Nat. Dipt.* i. 198, 6.

Brazil.

273. Tabanus quadrimaculatus.

Fœm. *Fuscus; antennæ testaceæ apice nigræ; abdomen testaceum, maculis dorsalibus fulvis, lateralibusque fuscis; alæ hyalinæ, maculis quatuor fuscis.*

Tabanus quadrimaculatus, *Macq. Dipt. Exot. Suppl.* 1, 39, 80. pl. 4, f. 5.

New Grenada.

274. Tabanus punctipennis.

Fœm. *Niger; abdomen basi rufescens, vitta dorsali maculisque lateralibus albidis; tibiæ posteriores fusco-fulvæ, anticæ basi albidæ; alæ hyalinæ, fusco punctatæ.*

Tabanus punctipennis, *Macq. Dipt. Exot.* i. 2, 185.

Brazil.

275. TABANUS QUADRIPUNCTATUS.

cens; thorax fusco trivittatus; abdomen albido quadrima-
culatum; alæ fusco maculatæ.

s quadripunctatus, *Fabr. Syst. Antl.* 99, 29. *Wied. Dipt.*
ot. i. 77, 30; *Auss. Zweifl.* i. 151, 63.

276. TABANUS MACULIPENNIS.

ido-fuscus; antennæ pedesque ferruginea; thorax albo linea-
tus; abdomen vitta maculari alba; alæ fusco maculatæ.

s maculipennis, *Wied. Auss. Zweifl.* i. 138, 43.

277. TABANUS MONOGRAMMA.

cinus; thorax nigro vittatus; abdomen ferruginosum vitta
nigella; alæ fusco plagiatæ.

us monogramma, *Wied.*

278. TABANUS IMPORTUNUS.

icino-rubidus; thorax vittis quatuor; abdomen luteum vittis
tribus nigris; alæ fusco plagiatæ.

us importunus, *Wied. Auss. Zweifl.* i. 127, 24.

l.

279. TABANUS HISTRIO.

ellus; thorax vittis, abdomen maculis albis; alæ nigro ma-
culatæ.

ıus histrio, *Wied. Auss. Zweifl.* ii. 625, 24.

pawa, Brazil.

280. TABANUS FENESTRATUS.

'œm. *Testaceus; antennæ rufæ; pedes nigri, tibiis anticis*
dilatatis; alæ fuscæ, macula apiceque hyalinis.

nus fenestratus, *Macq. Dipt. Exot.* i. 1, 135, 28, pl. 15, f. 3.

il.

281. Tabanus limpidapex.

Badio-fuscanus; antennæ rufo-flavæ; abdomen flavido [illegible] num apice fuscum; alæ fuscæ, summo apice limpidæ.

Tabanus limpidapex, *Wied. Auss. Zweifl.* i. 140, 46.
Brazil.

282. Tabanus fuscipennis.

Lilacino-rubidus; abdomen ferrugineo-fuscanum; alæ fusc[illegible] cisura lata apicis limpida.

Tabanus fuscipennis, *Wied. Auss. Zweifl.* i. 179, 102.
Brazil.

283. Tabanus guttipennis.

Niger; thorax rubido vittatus; abdomen puncto albo; ala f[illegible] albo guttatæ, apice sublimpidæ.

Tabanus guttipennis, *Wied. Auss. Zweifl.* i. 153, 67.
Brazil.

284. Tabanus pubescens.

Mas. *Luridus, brevis, pubescens; oculi cuprei; palpi fu[illegible] antennæ fuscæ, parvæ, valde arcuatæ, articulo vix dila[illegible] aut angulato; abdomen apice fuscum; pedes nigro-fu[illegible] alæ cinereæ, macula antemedia limpida, stigmate [illegible] fusco.*

Male. Lurid, short, pubescent. Eyes cupreous, bare, com[illegible] posed of small facets. Palpi brown. Antennæ brown, small, [illegible] curved; third joint hardly dilated or angular. Abdomen brown [illegible] wards the tip. Legs blackish brown. Wings gray, with a [illegible] discal spot before the middle; stigma large, brown, veins blac[illegible] first branch of the cubital simple, slightly curved and not ang[illegible] near its base; subanal vein joining the anal very near the bord[illegible] Halteres brown. Length of the body 3½ lines; of the wings [illegible] lines.

a. Santarem, Brazil. From Mr. Bates' collection.

285. Tabanus fascipennis.

Fœm. *Testaceus; abdomen femoraque fusca; alæ fuscæ, basi fascia apiceque hyalinis.*

.banus fascipennis, *Macq. Dipt. Exot. Suppl.* 1, 35, 71, pl. 4, f. 1.

azil. New Grenada.

286. Tabanus apicalis.

Rubido-fuscanus; antennæ pallide rufo-flavæ; abdomen dilute flavidum; alæ costa late et fascia lata ante apicem fuscis.

ıbanus apicalis, *Wied. Auss. Zweifl.* i. 142, 49.

razil.

287. Tabanus potator.

Intense rubidus; thorax utrinque fusco vitattus; abdomen maculis trigonis albis; alæ fascia irregulari maculisque nigro-fuscis.

abanus potator, *Wied. Auss. Zweifl.* i. 149, 60; ii. 624, 22.

razil.

288. Tabanus pictipennis.

Nigricans; antennæ articulo 1o elongato; 3o dente longa apice obtusa; thorax vittis tribus flavescentibus, scutello postice flavo; abdomen angustum, segmentis flavo lineatis; tibiæ basi albæ; alæ margine externo, vittis duabus fasciaque fuscis conjunctis.

'abanus pictipennis, *Macq. Hist. Nat. Dipt.* i. 199, 7.

Brazil.

289. Tabanus triangulum.

Fuscus; antennæ rufo-flavæ, apice nigræ; abdomen ferruginosum, fulvido trivittatum, triangulo baseos nigro.

Tabanus triangulum, *Wied. Auss. Zweifl.* i. 143, 52.

Brazil.

290. Tabanus trigonophorus.

Fœm. *Niger; antennæ basi testaceæ; thoracis latera rufescen[illegible] abdomen testaceum, basi nigrum; pedes testacei; alæ fu[illegible] centes.*

Tabanus trigonophorus, *Macq. Dipt. Exot.* i. 2, 185.
Brazil.

291. Tabanus variventris.

Fœm. *Niger; abdomen testaceum, maculis dorsalibus [illegible] nigris; tibiæ fuscæ, posticæ ciliatæ; alæ flavescenti-cin[illegible]* Long. 6 lin.

Tabanus variventris, *Macq. Dipt. Exot. Suppl.* 2, 18, 97.
Brazil.

292. Tabanus festivus.

Ater; abdomen imo basi et marginibus lateralibus sulph[illegible] ventre medio fulvo; alæ nigræ; tibiæ posticæ niveo cil[illegible]

Tabanus festivus, *Wied. Auss. Zweifl.* i. 135, 37.
Brazil.

293. Tabanus compactus.

Fœm. *Niger; caput et pectus subtus cano tomentosa; [illegible] furcatæ, articulo 3o basi rufo; thorax fulvo pilosus, late[illegible] ferrugineis; abdomen segmenta cano marginata; trocha[illegible] femora basi, genua, tibiæ mediæ tarsique posteriores fu[illegible] tibiæ anticæ posticæque nigro-ciliatæ, hæ dilatatæ basi [illegible] ciliatæ, illæ subdilatatæ; alæ cinereæ, antice subluridæ.*

Fem. Black. Head beneath with hoary tomentum and ha[illegible] front with tawny hairs on each side. Eyes æneous, with very s[illegible] facets. Antennæ stout; first and second joints with hoary do[illegible] third red at the base, armed with a long stout curved horn. Tho[illegible] ferruginous along each side, slightly clothed with tawny ha[illegible] Pectus with hoary hairs and tomentum. Abdomen with a ba[illegible]

airs on the hind border of each segment. Legs stout, with
iirs; trochanters, femora at the base, knees, middle tibiæ
terior tarsi tawny; fore tibiæ slightly dilated, slightly
with black hairs; hind tibiæ dilated, fringed with black
d towards the base with white hairs; tarsi short and stout.
slightly lurid, gray along the hind borders and towards the
ins tawny, black towards the borders; first branch of the
vein simple, forming a very obtuse and rounded angle near
; externo-medial veins separate; subanal vein united to the
a short distance from the border. Halteres tawny, with
nobs. Length of the body 6 lines; of the wings 10 lines.

, on the Amazon. From Mr. Bates' collection.

294. TABANUS ANTARCTICUS.

ili quadrifasciati; scutellum macula nigra; abdomen maculis dorsalibus albis; tibiæ anticæ albæ; alæ albæ, costa fusca.

us antarcticus, *Linn. Syst. Nat.* ii. 1001, 15. *Fabr. Ent. yst.* iv. 369, 31. *Wied. Auss. Zweifl.* i. 577, 7.

America.

Africa.

295. TABANUS CERBERUS.

nus cerberus, *Cat. of Diptera*, Pt. 1, 149.

296. TABANUS CONFORMIS.

nus conformis, *Cat. of Diptera*, Pt. 1, 150.

297. TABANUS PLUTO.

nus Pluto, *Cat. of Diptera*, Pt. 1, 153.

298. TABANUS HEBES.

anus hebes, *Cat. of Diptera*, Pt. 1, 159.

299. TABANUS SOCIUS.

Tabanus socius, *Cat. of Diptera*, Pt. 1, 160.

300. TABANUS RUBICUNDUS.

Tabanus rubicundus, *Cat. of Diptera*, Pt. 1, 161.

301. TABANUS SECEDENS.

Tabanus tibialis, (nomen bis lectum), *Cat. of Diptera*, Pt. 1,

302. TABANUS MACROPS.

Tabanus macrops, *Cat. of Diptera*, Pt. 1, 164.

303. TABANUS STIGMA.

Tabanus stigma, *Cat. of Diptera*, Pt. 1, 184.

304. TABANUS NOCTIS.

Tabanus Noctis, *Diptera Saundersiana*, Pt. 1, 42.

305. TABANUS PERVASUS.

Tabanus pervasus, *Diptera Saundersiana*, Pt. 1, 43.

306. TABANUS DIURNUS.

Tabanus diurnus, *Diptera Saundersiana*, Pt. 1, 43.

307. TABANUS ALBIPALPUS.

Tabanus albipalpus, *Diptera Saundersiana*, Pt. 1, 44.

308. TABANUS SOCIALIS.

Tabanus socialis, *Diptera Saundersiana*, Pt. 1, 45.

309. Tabanus infans.

; **infans**, *Diptera Saundersiana*, Pt. 1, 45.

310. Tabanus siccus.

s **siccus**, *Diptera Saundersiana*, Pt. 1, 46.

æ non dilatatæ nec ciliatæ.
læ unifasciatæ.
Alæ hyalinæ, fascia fusca. - - - fasciatus, *Fabr.*
Alæ fuscæ, fascia hyalina. - - - fallax, *Macq.*
.læ nigro-fuscæ, guttis tribus limpidis. tripunctifer, *Walk.*
læ confertissime maculatæ. - maculatissimus, *Macq.*
.læ striga fusca.
.læ macula fuscana. - - - - macularis, *Fabr.*
.læ nec fasciatæ, nec maculatæ. - - tomentosus, *Macq.*
Corpus nigrum.
a. Alæ limpidæ.
i. Alæ unicolores.
* Femora cinerea. - - - lunatus, *Fabr.*
** Femora nigra.
† Abdomen non vittatum. - capensis. *Wied.*
†† Abdomen bivittatum. obliquemaculatus, *Macq.*
*** Femora rufa.
† Abdominis latera testacea. sagittarius, *Macq.*
†† Abdominis latera non testacea. tæniatus, *Macq.*
ii. Alæ basi et ad costam flavescentes.
* Pedes rufi. - - - - Rousselii, *Macq.*
** Tibiæ posticæ fulvæ. - - mitidjensis, *Macq.*
b. Alæ subhyalinæ.
i. Pedes rufi. - - - - tenuicornis, *Macq.*
ii. Pedes nigri; tibiæ flavescentes. - villosus, *Macq.*
iii. Pedes flavi; femora nigra. - infestans, *Macq.*
c. Alæ subcinereæ.
i. Abdominis latera non testacea. auripunctatus, *Macq.*
ii. Abdominis latera testacea. - subelongatus, *Macq.*
d. Alæ rufescentes. - - - - tibialis, *Macq.*
e. Alæ fuscæ.
i. Abdomen nigro pubescens. - Alexandrinus, *Wied.*
ii. Abdomen basi albido pubescens. Algirus, *Macq.*

f. Alæ nigræ. - - - - - biguttatus, *Wa*
B. Thorax niger.
i. Abdomen fulvum.
* Abdomen maculis dorsalibus nigris.
dorsomaculatus, *M*
** Abdomen vitta dorsali albida. dorsivitta, *W*
ii. Abdomen fuscum.
* Abdomen fulvo vittatum. - *fraternus*, *M*
** Abdomen fulvo non vittatum. - nanus, *W*
C. Thorax cæruleo-niger. Abdomen testaceum.
testaceiventris, *M*
D. Thorax glaucescens. Abdomen flavidum, e maculis
vittatum. - - - - - - agrestis,
E. Corpus nigro-fuscum. - - unimaculatus, *M*
F. Corpus fuscum quadrivittatum.
i. Antennæ apice nigræ. - - tæniola, *Pal. B*
ii. Antennæ nigræ. - - - rufipes, *Pal. B*
G. Thorax schistaceus. Abdomen nigro-fuscum.
vittatus, *F*
H. Thorax rubidus. Abdomen fuscum. - sugens, *W*
I. Thorax piceus. Abdomen ferrugineum. - ustus, *W*
J. Thorax viridiglaucus. Abdomen fulvum.
thoracinus, *Pal. B*
K. Corpus cinerascens. Abdominis latera lutea.
L. Corpus cinereum. - - - - agricola, *M*
i. Abdomen fuscanum, flavido bifasciatum.
albicans, *M*
ii. Abdomen rufum. - - - - rufipes, *M*
M. Thorax cervinus. Abdomen fulvum. - - par, *W*
N. Thorax albicans. Abdomen fuscum. Guineensis, *W*
O. Corpus albicans. - - - - albicans, *M*
B. Tibiæ ciliatæ. - - - - - - - cilipes, *M*
C. Tibiæ dilatatæ. - - - - - - latipes, *M*

311. Tabanus fasciatus.

Subhelvus; abdomen glandicolor; alæ fascia fusca.

Tabanus fasciatus, *Fabr. Syst. Ent.* 188, 3; *Ent. Syst.* iv. 364, *Syst. Antl.* 94, 6. *Wied. Dipt. Exot.* i. 73, 21; *Ann. Z* i. 133, 35.

Sierra Leone.

312. Tabanus fallax.

eus; antennæ fulvæ; pedes nigri, tibiæ fulvæ; alæ fuscæ, ascia hyalina.

s fallax, *Macq. Dipt. Exot. Suppl.* 1, 32, 63.

a.

313. Tabanus tripunctifer.

r, nigro hirtus; caput album; thorax fulvo pubescens; alæ nigro-fuscæ, guttis tribus limpidis, apice cinereæ.

s tripunctifer, *Walk. Zool.* viii. *Append.* xcv.

Natal. From M. Gueinzius' collection.

314. Tabanus maculatissimus.

r; antennæ rufæ, apice fuscæ; thorax et abdomen albo maculata hoc apice rufum; pedes albicantes; alæ nigricantes albo maculatæ; basi apiceque albæ nigro maculatæ.

us maculatissimus, *Macq.*

Africa.

315. Tabanus macularis.

scus; thorax albido quadrivittatus; abdomen maculis lateralibus albidis; tibiæ rufescentes; alæ albidæ, striga fusca.

nus macularis, *Fabr. Syst. Antl.* 103, 43; *Ent. Syst.* iv. 370, 36; *Meig. Zweifl.* ii. 40, 13. *Wied. Dipt. Exot.* i. 88, 46; *Auss. Zweifl.* i. 167, 86.

cco.

316. Tabanus tomentosus.

iger, tomentosus; oculi hirsuti; abdomen incisuris flavidis; tibiæ fulvæ; alæ basi flavæ, macula fuscana.

nus tomentosus, *Macq. Dipt. Exot. Suppl.* 1, 30, 60, pl. 3, f. 11. *Exped. Scient. Alg. Ins.* 424, 30, pl. 1, f. 7.

ers.

317. Tabanus lunatus.

Niger; thorax albido quinquevittatus; abdomen maculis m trigonis albidis lateralibusque testaceis; pedes testacei, fe bus cinereis; alæ albidæ.

Tabanus lunatus, *Fabr. Ent. Syst.* iv. 370, 34. *Coqueb.* Ill. i 112, pl. 25, f. 5. *Wied. Auss. Zweifl.* i. 576, 6.
Hæmatopota lunata, *Fabr. Syst. Antl.* 109, 7.

Barbary. Portugal.

318. Tabanus capensis.

Niger, flavido hirtus; abdomen basi utrinque ferrugineum, suris flavidis fulvo pilosis; tibiæ ochraceo-fuscæ.

Tabanus capensis, *Wied. Dipt. Exot.* i. 91, 51; *Auss. Zw* 177, 100.

Cape.

319. Tabanus obliquemaculatus.

Fœm. *Niger; abdomen maculis lateralibus albis obliquis, l bus basi rufis; tibiæ flavæ; alæ limpidæ, venæ cubitali* 1o *furcato.*

Tabanus obliquemaculatus, *Macq. Dipt. Exot.* i. 1, 123, 4.

Cape

320. Tabanus sagittarius.

Fœm. *Niger; caput antice flavescente-cinereum; abdo latera testacea, segmento singulo macula dorsali nigricant pedes rufi; alæ hyalinæ.*

Tabanus sagittarius, *Macq. Dipt. Exot.* i. 1, 123, 5.

Cape.

321. Tabanus tæniatus.

gricans; antennæ basi fulvæ; thorax lineis duabus glaucescentibus; abdomen vittis duabus albicantibus angustis apice conjunctis; pedes fulvi; alæ limpidæ.

nus tæniatus, *Macq. Hist. Nat. Dipt.* i. 207, 35.

322. Tabanus Rousselii.

em. *Nigricans; antennæ rufæ, apice fuscæ; thorax albido vittatus; abdomen trifariam albido fasciatum; pedes rufi; alæ hyalinæ, basi et ad costam flavescentes, venæ cubitalis ramus 1us furcatus.*

anus Rousselii, *Macq. Dipt. Exot.* i. 2, 181; *Exped. Scient. Alg. Zool.* iii. 423, 23.

iers.

323. Tabanus metidjensis.

Mas. *Nigricans, albido pilosus; antennæ nigræ; oculi albido villosi; abdominis incisuræ albidæ, lateribus basi fulvis; tibiæ posterioræ fulvæ; alæ basi et costa flavescentes.*

ıbanus metidjensis, *Macq. Dipt. Exot.* i. 2, 182; *Exped. Scient. Alg. Zool.* iii. 423, 25.

lgiers.

324. Tabanus tenuicornis.

Fœm. *Niger; oculi hirsuti; antennæ tenues, rufæ, apice nigræ; abdomen incisuris albis; pedes rufi; alæ subhyalinæ, venæ cubitalis ramus 1us simplex.*

Tabanus tenuicornis, *Macq. Dipt. Exot.* i. 1, 124, 7.

Allied to T. capensis, *Wied.*

Cape.

325. Tabanus villosus.

Mas. *Niger, flavido villosus; oculi albido villosi; abd*
cisuris albidis; tibiæ flavescentes; alæ subhyalinæ, i
costam flavescentes.

Tabanus villosus, *Macq. Dipt. Exot.* i. 2, 181; *Exped. Sc*
Zool. iii. 423, 24.

Algiers.

326. Tabanus infestans.

Fœm. *Niger, albido pubescens; abdominis incisura*
pedes flavi, femoribus nigris; alæ subhyalinæ, basi
flavescentes.

Tabanus infestans, *Macq. Dipt. Exot. Suppl.* 2, 45, 90.

Algiers.

327. Tabanus auripunctatus.

Fœm. *Ater; thorax cinereo pubescens; abdomen nitidum,*
tis incisurisque posticis auratis; tibiæ flavæ; ta
cinereæ, basi et ad costam flavescentes.

Tabanus auripunctatus, *Macq. Dipt. Exot.* i. 2, 180; *Ex*
Scient. Alg. Zool. iii. 422, 21.

Algiers.

328. Tabanus subelongatus.

Fœm. *Longus, nigricans; antennæ testaceæ, apice nigræ;*
lineis albidis; abdomen vitta laterali albida, lateribus
taceis; tibiæ fulvæ; alæ subcinereæ.

Tabanus subelongatus, *Macq. Dipt. Exot. Suppl.* 1, 31, 62.

Caffraria.

329. Tabanus tibialis.

Mas. *Ater, pilis nigris; thorax vittis cinereis; tibiæ basi*
alæ rufescentes, apice hyalinæ.

Tabanus tibialis, *Macq. Dipt. Exot. Suppl.* 1, 30, 59; *Exp*
Scient. Alg. Zool. iii. 423, 26, pl. 1, f. 6.

Algiers.

330. Tabanus alexandrinus.

banus alexandrinus, *Wied. Auss. Zweifl.* i. 624, 23.

Niger, nitens, nigro pubescens; alæ fuscæ.

exandria.

331. Tabanus algirus.

Ater, nitidus; antennæ articulo 3o basi fusco, dente minuto; abdomen basi albido pubescens, apice flavo limbatum; alæ fuscanæ.

ıbanus algirus, *Macq. Dipt. Exot.* i. 2, 180; *Exped. Scient. Alg. Zool.* iii. 422, 22.

lgiers.

332. Tabanus biguttatus.

Niger; abdomen guttis binis albis; alæ nigræ.

abanus biguttatus, *Wied. Auss. Zweifl.* ii. 623, 20.

ape.

333. Tabanus dorso-maculatus.

Fœm. *Niger; abdomen fulvum, maculis dorsalibus nigris, incisuris albidis; alæ hyalinæ, basi costaque flavescentibus.*

'abanus dorso-maculatus, *Macq. Dipt. Exot. Suppl.* 2, 46, 91.

lgiers.

334. Tabanus dorsivitta.

Fœm. *Niger, subtus albido tomentosa; caput ferrugineum; oculi ænei; palpi albidi; antennæ ferrugineæ, parvæ, arcuatæ, vix dilatatæ, apice nigræ; thoracis latera fulvus; abdomen fulvum, vitta testacea ferrugineo marginata basi cinerea, apice piceum; tibiæ fulvæ; alæ cinereæ.*

Fœm. Black. Head ferruginous, with white tomentum and down in front and beneath. Eyes æneous, bare, composed of very small facets. Palpi whitish. Antennæ ferruginous, small, curved, black towards the tips; third joint hardly dilated, but forming

a small, slightly acute angle. Thorax tawny along each s
Pectus with whitish tomentum. Abdomen tawny, with a broad
ruginous stripe, which encloses a pale testaceous stripe; the lat
cinereous at the base; tip piceous. Tibiæ tawny. Wings gra
veins black; cubital vein simple, forming an obtuse angle nea
base; subanal joining the anal at some distance from the ba
Length of the body 6 lines; of the wings 11 lines.

a. Gambia.

335. Tabanus fraternus.

Fœm. *Niger; thorax vittis rubris; abdomen fuscum, m
dorsalibus albis, vittis lateralibus fulvis; tibiæ testaceæ;
subhyalinæ.*

Tabanus fraternus, *Macq. Dipt. Exot. Suppl.* 1, 31, 61.

Caffraria.

336. Tabanus nanus.

*Nigellus; antennæ luteæ apice nigræ; abdomen fuscum, trifaria
maculatum, maculis mediis incisurisque albidis; tibiæ te
que ochraceæ; alæ limpidæ.*

Tabanus nanus, *Wied. Dipt. Exot.* i. 95, 57; *Auss. Zweifl.* i.
114.

Cape.

337. Tabanus testaceiventris.

Fœm. *Cæruleo-niger; antennæ pedesque nigra, illæ basi, abdo
tibiæque testaceæ; alæ subfuscæ.*

Tabanus testaceiventris, *Macq. Dipt. Exot. Suppl.* 2, 46, 92.

Africa.

338. Tabanus agrestis.

*Glaucescens; antennæ basi saltem flavæ; abdomen flavidum,
maculis fuscanis quadrivittatum; pedes flavi; alæ limpide*

Tabanus agrestis, *Wied. Auss. Zweifl.* i. 557, 32.

Egypt.

339. Tabanus unimaculatus.

*·fuscus; antennæ nigræ; thorax lineis albicantibus; abdo-
ineis segmenta 3um et 4um quidque macula alba; pedes
gri; alæ nigricantes, apice hyalinæ.*

unimaculatus, *Macq. Hist. Nat. Dipt.* i. 204, 23.

340. Tabanus tæniola.

*reo-fuscus, subtus villosus; antennæ apice nigræ; thorax
ineis quatuor, abdomen tribus, cinereis; tibiæ anticæ albidæ;
læ rubidæ.*

s tæniola, *Pal. Beauv. Ins.* 56, pl. 1, f. 6. *Wied. Dipt.
ot.* i. 71, 17; *Auss. Zweifl.* i. 129, 28.

nd Benin, Africa.

341. Tabanus rufipes.

*us; antennæ, tibiæ tarsique nigra; palpi, alæ femoraque
fuscana.*

is rufipes, *Pal. Beauv. Ins.* 55, pl. 1, f. 1. *Wied. Auss.
weifl.* i. 116, 5.

Africa.

342. Tabanus vittatus.

*istaceus; antennæ articulo 3o fulvo; thorax fusco trivittatus;
abdomen nigro-fuscum, vittis duabus albidis; pedes flavi,
femoribus cinereis; alæ subcinereæ.*

ius vittatus, *Fabr. Ent. Syst.* iv. 371, 37; *Syst. Antl.* 103,
4. *Meig. Zweifl.* ii. 40, 14.

cco.

343. Tabanus sugens.

bidus; antennæ nigræ; abdomen fuscum, albo vittatum.

nus sugens, *Wied. Auss. Zweifl.* i. 140, 45.

ea.

344. Tabanus ustus.

Piceus; caput flavum; antennæ rufæ, basi nigræ; thorax fu quinquevittatus; abdomen ferrugineum, apice piceum, mac trigonis fulvis ornatum; pedes ferruginei, tarsis piceis; cineræ, ad costam fuscæ, venarum marginibus subfuscis.

Tabanus ustus, *Walk. Zool.* viii. *Append.* xcv.

Port Natal. From M. Gueinzius' collection.

345. Tabanus thoracinus.

Fulvus; antennæ luteæ; thorax viridi-glaucus; tarsi fusci fuscescentes.

Tabanus thoracinus, *Pal. Beauv. Ins.* 55, pl. 1, f. 4. *Wied. Zweifl.* i. 147, 57.

Owar and Benin, Africa.

346. Tabanus agricola.

Cinerascens; antennæ, abdominis latera et incisuræ pedesque lu alæ hyalinæ, venis flavis.

Tabanus agricola, *Wied. Aus. Zweifl.* i. 556, 29.

Coasts of the Red Sea.

347. Tabanus albicans.

Fœm. *Cinereus; antennæ flavæ; abdomen fuscanum, fa bifasciatum; pedes fulvi; alæ hyalinæ, subflavescentes, ve cubitalis ramo 1o furcato.*

Tabanus albicans, *Macq. Dipt. Exot.* i. 2, 182.

Arabia. Senegal.

348. Tabanus rufipes. (Nomen bis lectum.)

Fœm. *Rufus; thorax cinereus; alæ hyalinæ, ad costam fus centes.*

Tabanus rufipes, *Macq. Dipt. Exot.* i. 1, 124, 6.

Cape.

349. Tabanus par.

em. *Fulvus; oculi ænei; palpi testacei; antennæ rufescentes, parvæ, subarcuatæ, simplices, vix dilatatæ; thorax cervino tomentosus; pectus cano tomentosum; alæ subcinereæ, venis fulvis.*

n. Tawny. Head with a small callus in front. Eyes is, composed of very small facets. Palpi testaceous. Antennæ ih, small, slightly curved; third joint hardly dilated, forming obtuse angle. Thorax with fawn-colour tomentum. Pectus hoary tomentum. Wings very slightly grayish; veins tawny; ranch of the cubital vein varying in structure; its angle being slightly obtuse, sharply defined and rejecting the rudiment of nch, or more obtuse, somewhat rounded and quite simple; ial vein joining the anal at some distance from the border. th of the body 4½ lines; of the wings 9 lines.

Port Natal. From M. Gueinzius' collection.

350. Tabanus guineensis.

iscus; *antennæ rufo-flavæ; thorax albicans; oculi bifasciati; abdomen albo trivittatum; alæ limpidæ.*

inus guineensis, *Wied. Anal. Entom.* 21, 7; *Auss. Zweifl.* i. 144, 54.

iea.

351. Tabanus albicans. (Nomen bis lectum?)

lbida; *antennæ fulvæ; abdomen vitta dorsali cinerea, incisuris pallidis; pedes fulvi; alæ hyalinæ, apud costam flavescentes, venæ cubitalis ramo 1o longe furcato.*

anus albicans, *Macq. Hist. Nat. Dipt.* i. 204, 24.

egal.

The description of this species differs from that of *T. albicans* age 234.

352. Tabanus cilipes.

Mas. *Niger; thorax albido quadrivittatus; abdominis segmentis 3um et 4um albo maculata; tibiæ posticæ ciliatæ; alæ nigricantes, apice cinereæ.*

Tabanus cilipes, *Macq. Dipt. Exot.* i. 1, 120, 2.

Cape. Senegal.

353. Tabanus latipes.

Fœm. *Antennæ nigræ; thorax flavus; abdomen rufum; tibiæ anticæ dilatatæ; alæ fuscæ maculis, duabus et apice hyalinis.*

Tabanus latipes, *Macq. Dipt. Exot.* i. 1, 119, 1.

Senegal.

Madagascar.

354. Tabanus albitibialis.

Fœm. *Fuscus; antennæ ferrugineæ, apice fuscæ; abdomen maculis dorsalibus, incisuris fasciisque duabus lateralibus albicantibus; pedes rufi, antici nigri; tibiæ parte ima albida, postica nigra.*

Tabanus albitibialis, *Macq. Dipt. Exot.* i. 1, 124, 8.

Isle of France.

355. Tabanus ditæniatus.

Niger; antennæ, abdominis vittæ duæ pedesque rufa; tarsi fusci; tibiæ tarsisque anteriora apice nigricantia; alæ hyalinæ.

Tabanus ditæniatus, *Macq. Dipt. Exot.* i. 1, 126, 9.

Turkey.

356. Tabanus pulverifer.

Mas et Fœm. *Fusca, albo tomentosa; palpi albi; antennæ rufæ, parvæ, simplices, apice nigræ; thorax albido quinquevittatus; abdomen vitta dorsali albida maculisque lateralibus trigonis ventreque cervinis; pedes testacei, tarsis nigris.*

own. Head with white down and tomentum. Palpi white. æ red, small, black towards the tips; third joint hardly very obtusely angular above. Thorax with six whitish Pectus with white tomentum. Abdomen with a whitish stripe, and on each side with a row of triangular testaceous hind borders of the segments whitish; under side fawn- with white tomentum. Legs testaceous; tarsi black. limpid; veins black; first branch of the cubital vein forming tly obtuse angle near its base, and rejecting thence an ex- short branch; subanal vein joining the anal near the border. es white. *Male.*—Head not twice broader than long. Eyes red, composed of extremely small facets, with an æneous bor- hich is much broadest in front. *Female.*—Head more than broader than long, with a small black callus in front between es, which are æneous and composed of extremely small facets. h of the body 5 lines; of the wings 8 lines.

Bagdad, Turkey in Asia. Presented by W. K. Loftus, Esq.

357. Tabanus polygonus.

as. *Fulvus; oculi fulvi, margine nigro-purpureo; palpi albi; antennæ luteo-fulvæ, minutæ, vix dilatatæ, apice nigræ; thorax fusco quadrivittatus; abdomen vitta interrupta nigricante, maculis trigonis dorsalibus marginibusque posticis albidis; alæ limpidæ.* Fœm.? *Oculi nigro-ænei; thoracis vittæ latissimæ; abdominis vittæ latæ integræ; pedes antici tibiis apice nigricantibus, tarsis nigris.*

Male. Tawny, slightly covered with whitish tomentum and . Head rather large, about twice broader than long. Palpi . Antennæ very small, luteous tawny, black towards the tips; joint hardly dilated, forming a slightly obtuse angle. Eyes , tawny, composed of rather large facets, with a purplish black r, which is composed of extremely small facets and is very l in front. Thorax with four broad brown stripes; a few black on each side; scutellum brown. Abdomen with a blackish e, which is widely interrupted in the middle; each segment ish along the hind border, and with a whitish dorsal triangular . Wings limpid; veins black, tawny towards the base and g the costa; first fork of the cubital simple, hardly angular near ase; subanal vein joining the anal at some distance from the er. Length of the body 7 lines; of the wings 13 lines.

Fem.? Smaller than the male. Head with three small cel between the eyes; first and second elongate; third transvers Eyes æneous black, composed of extremely small facets. Stripes o the thorax occupying nearly the whole breadth. Stripe of the abd men broad and uninterrupted; triangular spots rather indistin Fore tibiæ blackish towards the tips; fore tarsi black. Leng the body 5½ lines; of the wings 10 lines.

a—c. Bagdad, Turkey in Asia. Presented by W. K. Loftus, Es

Arabia

358. TABANUS ARABICUS.

Cinereus; antennæ fulvæ, apice fuscæ; abdominis latera pa que fulva; tarsi antici fusci; alæ hyalinæ, basi et costa fla flavescentes.

Tabanus arabicus, *Macq. Dipt. Exot.* i. 2, 183.

359. TABANUS TESTACEUS.

Testaceus; antennæ apice fuscæ; thoraæ lineis fuscis, a albus; femora fusca.

Tabanus testaceus, *Forskal; Niebuhr. Descr. Anim. Iria.* Ora 85, 24. *Wied. Aust. Zweifl.* ii. 648, 75.

East Indies, Isles of the Indian Ocean and China.

360. TABANUS UNIVENTRIS.

Tabanus univentris, *Cat. of Diptera*, Pt. 1, 151.

361. TABANUS ORIENTIS.

Tabanus orientis, *Cat. of Diptera*, Pt. 1, 152.

362. TABANUS AURIFLAMMA.

Tabanus auriflamma, *Cat. of Diptera*, Pt. 1, 155.

363. TABANUS INSCITUS.

s inscitus, *Cat. of Diptera*, Pt. 1, 161.

364. TABANUS MENTITUS.

ıs mentitus, *Cat. of Diptera*, Pt. 1, 162.

365. TABANUS SINICUS.

ıs sinicus, *Cat. of Diptera*, Pt. 1, 163.

366. TABANUS AMÆNUS.

us amænus, *Cat. of Diptera*, Pt. 1, 163.

367. TABANUS INTERNUS.

us internus, *Cat. of Diptera*, Pt. 1, 164.

368. TABANUS JUCUNDUS.

nus jucundus, *Cat. of Diptera*, Pt. 1, 187.

369. TABANUS ALBULUS.

.nus albulus, *Diptera Saundersiana*, Pt. 1, 46.

370. TABANUS PYRRHUS.

ınus Pyrrhus, *Diptera Saundersiana*, Pt. 1, 47, pl. 2, f. 4, 5.

371. TABANUS ALBIMEDIUS.

anus albimedius, *Diptera Saundersiana*, Pt. 1, 48.

372. TABANUS TENENS.

anus tenens, *Diptera Saundersiana*, Pt. 1, 49.

373. TABANUS HILARIS.

Tabanus hilaris, *Diptera Saundersiana*, Pt. 1, 49, pl. 2, f. 3

374. TABANUS CRASSUS.

Tabanus crassus, *Diptera Saundersiana*, Pt. 1, 50.

375. TABANUS VAGUS.

Tabanus vagus, *Diptera Saundersiana*, Pt. 1, 50.

376. TABANUS RUBIGINOSUS.

Tabanus rubiginosus, *Diptera Saundersiana*, Pt. 1, 51.

377. TABANUS UMBROSUS.

Tabanus umbrosus, *Diptera Saundersiana*, Pt. 1, 52.

378. TABANUS HIRTUS.

Tabanus hirtus, *Diptera Saundersiana*, Pt. 1, 52.

379. TABANUS PUELLA.

Tabanus puella, *Diptera Saundersiana*, Pt. 1, 53.

380. TABANUS SANGUINEUS.

Tabanus sanguineus, *Diptera Saundersiana*, Pt. 1, 54.

381. TABANUS OBCONICUS.

Tabanus obconicus, *Diptera Saundersiana*, Pt. 1, 54.

382. TABANUS FERVIDUS.

Tabanus fervidus, *Diptera Saundersiana*, Pt. 1, 55.

383. Tabanus consocius.

us consocius, *Diptera Saundersiana*, Pt. 1, 56.

384. Tabanus perlinea.

us perlinea, *Diptera Saundersiana*, Pt. 1, 56.

385. Tabanus calidus.

us calidus, *Diptera Saundersiana*, Pt. 1, 57.

æ non maculatæ.
Corpus nigrum.
. Scutellum nigrum.
a. Abdomen non cærulescens.
i. Alæ subhyalinæ, apice subfuscæ. - auricinctus, *Macq*.
ii. Alæ subfulvæ. - - - - pusillus, *Macq*.
iii. Alæ subfuscæ. - - - albilateralis, *Macq*.
iv. Alæ fuscæ. - - - - tenebrosus, *Walk*.
b. Abdomen cærulescens. - - cærulescens, *Macq*.
B. Scutellum ferrugineum. - - - basalis, *Macq*.
Thorax nigro-fuscus. Abdomen nigrum. brunneus, *Macq*.
Thorax fuscus. Abdomen nigrum. consanguineus, *Macq*.
Thorax niger. Abdomen fuscum. - Sumatrensis, *Macq*.
Corpus fuscum.
A. Abdomen albo marginatum. - - dorsilinea, *Wied*.
B. Abdomen albo non marginatum.
a. Femora nigro striata. - - - rubidus, *Wied*.
b. Femora non striata. - - - - striatus, *Fabr*.
Thorax fuscus. Abdomen rubidum. - rufiventris, *Fabr*.
. Corpus cinereum. - - - - - Virgo, *Wied*.
. Thorax cinereus. Abdomen subferruginosum. indicus, *Fabr*.
Thorax glaucus. Abdomen ferrugineum. ardens, *Wied*.
Thorax olivaceus. Abdomen ferrugineum. immanis, *Wied*.
. Thorax glandicolor. Abdomen fuscum. hybridus, *Wied*.
. Thorax fulvus.
A. Abdomen nigrum.
a. Abdomen fasciis albis. - - - Servillei, *Macq*.
b. Abdomen fasciis fulvis. - - Pyrausta, *Walk*.

n. Abdomen ferrugineum. - - - - vagus, Wa
M. Corpus fulvum. Abdomen albido vittatum. megalops, Wi
N. Corpus aurato fulvum. - - - auro-testaceus, Wi
O. Corpus flavidum. - - - - orientalis, Wi
P. Corpus testaceum. Abdomen albido maculatum. rubicundus, Ma
B. Alæ maculatæ. - - - - - - Javanus, Fa

386. Tabanus auricinctus.

Fœm. *Niger; thorax rufo pubescens; abdominis segmen latera postica aurata; pedes rufi; alæ subhyalinæ, ba costam fulvæ, apice subfuscæ.*

Tabanus auricinctus, *Macq. Dipt. Exot.* i. 1, 130, 18. pl. 17,
Isles of the Indian Ocean.

387. Tabanus pusillus.

Fœm. *Niger; abdomen flavo pilosum, incisuris fulvi; tennæ pedesque fulva; alæ subfulvæ.*

Tabanus pusillus, *Macq. Dipt. Exot.* i. 1, 127, 12.
China.

388. Tabanus albilateralis.

Fœm. *Niger; oculi hirsuti; thorax lineis lateribusque al abdomen maculis dorsalibus incisurisque auratis, segmenta 1i et 2i lateribus testaceis; pedes rufi; alæ subfuscæ.*

Tabanus albilateralis, *Macq. Dipt. Exot.* i. 1, 129, 17.
Java.

389. Tabanus tenebrosus.

Fœm. *Niger, cinereo subtomentosus; oculi ænei; antennæ pa ferrugineæ, simplices, subarcuatæ, articulo 3o basi angu thoracis latera subferruginea; tibiæ obscure ferrugineæ, fuscæ, marginibus posticis cinereis.*

Fem. Black, slightly covered with gray tomentum. Eyes eous, composed entirely of small facets. Palpi black. Antennæ all, ferruginous, simple, slightly curved; third joint with a small l slightly acutely angular process at the base. Sides of the tho- somewhat ferruginous. Tibiæ dark ferruginous. Wings dark wn, dark gray along the hind border; first fork of the cubital n simple, forming an obtuse and somewhat rounded angle near base; subanal vein joining the anal at some distance from the rder. Halteres black, with ferruginous tips. Length of the dy 7½ lines; of the wings 14 lines.

Canara, Malabar Coast. Presented by S. N. Ward, Esq.

390. Tabanus cærulescens.

Fœm. *Niger; antennæ thoracisque vittæ laterales testaceæ; abdomen cærulescens; alæ fuscæ.*

banus cærulescens, *Macq. Dipt. Exot.* i. 1, 128, 14.

va.

391. Tabanus basalis.

Fœm. *Niger; scutellum et abdomen basi ferruginea; tibiæ flavescentes; alæ basi flavidæ apice fuscescentes.*

abanus basalis, *Macq. Dipt. Exot.* i. 1, 126, 10.

ast Indies.

392. Tabanus brunneus.

Nigro-fuscus; antennæ nigræ; thorax vittis duabus anticis fuscescentibus; abdomen nigrum, maculis dorsalibus albis trigonis guttisque lateralibus flavis, segmentis 1o ad 3um fuscis, ventre flavescente maculis nigris; pedes nigri; alæ fuscescentes.

abanus brunneus, *Macq. Hist. Nat. Dipt.* i. 203, 22; *Dipt. Exot* i. 1, 129, 15.

ava.

393. Tabanus consanguineus.

Fœm. *Fuscus; caput pallidum; thorax albido vittatus; abdomen nigrum vittis tribus albis, lateralibus ante apicem interruptis; pedes rufi; alæ hyalinæ.*

Tabanus consanguineus, *Macq. Dipt. Exot.* i. 1, 127, 11.

Allied to T. guineensis, indicus, trilineatus, lineola, occidentalis, trivittatus, dorsiger, 5-vittatus, costalis, and obsoletus.

Malabar.

394. Tabanus Sumatrensis.

Niger; antennæ ferrugineæ; thorax vitta antica fusca; abdomen fuscum, segmentorum marginibus posticis pallidis; pedes fusci; alæ venis flavis, venæ cubitalis ramo 1o basi rectangulato.

Tabanus Sumatrensis, *Macq. Hist. Nat. Dipt.* i. 201, 16.

Sumatra.

395. Tabanus dorsilinea.

Fuscus; antennæ rufo-flavæ; thorax albo lineatus; abdomen fuscum, margine vittisque tribus albis; alæ limpidæ, venis flavis; pedes flavi.

Tabanus dorsilinea, *Wied. Anal. Ent.* 22, 10; *Auss. Zweifl.* i. 110.

East Indies.

396. Tabanus rubidus.

Lilacino-fuscanus; thorax albido vittatus; abdomen vittis tribus macularibus albidis.

Tabanus rubidus, *Wied.*

East Indies.

397. Tabanus striatus.

do-fuscanus; thorax albido quadrivittatus; abdomen vittis ·ribus latis albis; alæ limpidæ.

ıs striatus, *Fabr.*

ıdies, Java, and China.

398. Tabanus rufiventris.

us, albido pruinosus; antennæ nigræ; abdomen rubidum, maculis albis univittatum; alæ costa nigra.

ıs rufiventris, *Fabr. Syst. Antl.* 96, 13. *Wied. Dipt. Exot.* 56, 9; *Auss. Zweifl.* i. 118, 10.

ndies.

399. Tabanus Virgo.

isticolor; antennæ ferrugineæ; abdomen bifariam albo guttatum.

us Virgo, *Wied. Anal. Entom.* 22, 9; *Auss. Zweifl.* i. 184, 09.

ndies.

400. Tabanus indicus.

ereus; antennæ ferrugineæ; thorax vix lineatus; abdomen subferrugineum, vittis tribus latis albis.

ıus indicus, *Fabr.*

Indies.

401. Tabanus ardens.

aucus, fulvo pubescens; abdomen ferrugineum; pedes fulvi; alæ infumatæ.

nus ardens, *Wied. Dipt. Exot.* i. 78, 31; *Auss. Zweifl.* i 154, 8. *Macq. Dipt. Exot.* i. 1, 129, 16.

402. Tabanus immanis.

Olivaceus; abdomen ferruginosum, obsolete dilutius vittatum; pedes nigri.

Tabanus immanis, *Wied. Auss. Zweifl.* i. 123, 17.

Java.

403. Tabanus hybridus.

Glandicolor; antennæ fulvæ; thorax lineis duabus pallidioribus indistinctis; abdomen fuscum, vitta flava; pedes fusco-flavi; alæ ad costam fuscanæ.

Tabanus hybridus, *Wied. Auss. Zweifl.* i. 557, 32.

Macao.

404. Tabanus Servillei.

Fœm. *Niger; thorax fulvus; abdominis incisuræ albæ; rufæ, venæ cubitalis ramo 2o venaque externo-media leviter junctis.*

Tabanus Servillei, *Macq. Dipt. Exot.* i. 1, 128, 13.

East Indies, Java.

405. Tabanus Pyrausta.

Ferrugineus; palpi, antennæ et pedes nigra; abdomen nigrum; segmentorum marginibus posticis fulvis; alæ fulvæ.

Tabanus Pyrausta, *Walk. Zool.* viii. *Append.* lxv.

a. Java. From Mr. Argent's collection.
b. Java. From the Hon. East India Company's collection.

406. Tabanus vagus.

Fulvus; antennæ et abdomen ferruginea; thorax trivittatus; pedes fulvi; tarsi ferruginei; alæ fuscæ, apicibus marginibusque posticis cinereis.

Tabanus vagus, *Walk. Zool.* viii. *Append.* lxviii.

a. Hong Kong. Presented by J. C. Bowring, Esq.

407. Tabanus megalops.

s. Rufescens; oculi magni, flavi, disco fusco margine æneo; thorax fusco quadrivittatus; pectus testaceum; abdomen vittis tribus lateribusque albidis; pedes fulvi, tarsis fuscis; alæ sublimpidæ.

e. Reddish. Head with white tomentum and down beneath. arge, above brown with a yellow border, and composed ner large facets; outer border æneous, broad in front, and of nely small facets. Thorax with two brown stripes on each Pectus testaceous, with whitish tomentum and down. Abdo- with three dorsal white stripes, the lateral pair indistinct; whitish. Legs tawny; tarsi brownish. Wings nearly limpid; tawny; cubital vein simple, forming an obtuse angle near the subanal joining the anal at some little distance from the Length of the body 5½ lines; of the wings 10½ lines.

ra. From the East India Company's collection.

408. Tabanus aurotestaceus.

as. *Aurato-fulvus, subtus canescens; oculi transverse subcarinati; palpi flavi; antennæ minutæ, subarcuatæ, non dilatatæ nec furcatæ, apice fuscæ; pedes testacei, femoribus basi coxis tarsis femoribusque anticis omnino nigris; alæ subcinereæ.*

ule. Tawny, covered with testaceous slightly gilded tomentum l and thorax somewhat hoary beneath. Head large. Eyes inent in front, a little longer than broad, divided into two artments by a slight transverse ridge; all the facets very l. Palpi pale yellow. Antennæ tawny, very small, very tly curved, with brown tips; third joint slender, quite simple, no dilatation or angle. Legs testaceous; coxæ, tarsi, femora e base and fore femora black. Wings very slightly gray; first ch of the cubital vein simple, forming a slightly obtuse angle near its base; subanal vein joining the anal at some distance the border. Halteres tawny, with ferruginous tips. Length ie body 6 lines; of the wings 11 lines.

hang-hai, North China. From Mr. Fortune's collection.

409. Tabanus orientalis.

Flavidus; thorax fusco vittatus; abdomen postice subfasciatus vitta maculari albida.

Tabanus orientalis, *Wied. Anal. Entom.* 21, 8; *Auss. Zweifl.* 145, 55.

East Indies.

410. Tabanus rubicundus.

Fœm. *Testaceus; abdomen maculis dorsalibus albidis; pedes testacei, tibiis anticis basi albidis; alæ flavescentes.*

Tabanus rubicundus, *Macq. Dipt. Exot. Suppl.* 1, 32, 64.

Hindostan.

411. Tabanus Javanus.

Niger; thorax albo lineatus, lateribus fulvis; abdomen fuscum lateribus ferrugineis, maculis mediis trigonis albis; alæ fuscæ maculatæ.

Tabanus Javanus, *Fabr. Syst. Antl.* 103, 46. *Wied. Dipt. Exot.* 93, 54; *Auss. Zweifl.* i. 183, 108.

Java.

Australia.

412. Tabanus leucophilus.

Tabanus leucophilus, *Cat. of Diptera*, Pt. 1, 154.

413. Tabanus brevivitta.

Tabanus brevivitta, *Cat. of Diptera*, Pt. 1, 157.

414. Tabanus præpositus.

Tabanus præpositus, *Cat. of Diptera*, Pt. 1, 158.

415. TABANUS CINEREUS.

s cinereus, *Cat. of Diptera*, Pt. 1, 167.

416. TABANUS BASALIS.

s basalis, *Cat. of Diptera*, Pt. 1, 182.

417. TABANUS NIGRIMANUS.

is nigrimanus, *Cat. of Diptera*, Pt. 2, 183.

418. TABANUS DIMINUTUS.

is diminutus, *Cat. of Diptera*, Pt. 1, 183.

419. TABANUS CONSTANS.

is constans, *Cat. of Diptera*, Pt. 1, 186.

420. TABANUS BREVIOR.

us brevior, *Cat. of Diptera*, Pt. 1, 188.

421. TABANUS MARGINATUS.

ius marginatus, *Cat. of Diptera*, Pt. 1, 187.

422. TABANUS ERRATICUS.

ius erraticus, *Cat. of Diptera*, Pt. 1, 189.

423. TABANUS ABSTERSUS.

ius abstersus, *Diptera Saundersiana*, Pt. 1, 58.

424. TABANUS INNOTABILIS.

aus innotabilis, *Cat. of Diptera*, Pt. 1, 177.

425. TABANUS REMOTUS.

Tabanus remotus, *Cat. of Diptera*, Pt. 1, 177.

426. TABANUS ANTECEDENS.

Tabanus antecedens, *Cat. of Diptera*, Pt. 1, 178.

427. TABANUS SEQUENS.

Tabanus sequens, *Cat. of Diptera*, Pt. 1, 178.

428. TABANUS IMPERFECTUS.

Tabanus imperfectus, *Cat. of Diptera*, Pt. 1, 179.

429. TABANUS CONCOLOR.

Tabanus concolor, *Cat. of Diptera*, Pt. 1, 179.

430. TABANUS POSTPONENS.

Tabanus postponens, *Cat. of Diptera*, Pt. 1, 179.

431. TABANUS VETUSTUS.

Tabanus vetustus, *Cat of Diptera*, Pt. 1, 179.

A. Alæ non vittatæ nec maculatæ.
  A. Corpus nigrum.
    A. Alæ limpidæ.
      a. Abdomen incisuris albidis. - - edentulus, Mac
      b. Abdomen fascia testacea. - acutipalpis, Mac
      c. Abdomen lateribus rufis. - Regis Georgii, Mac
      d. Abdominis segmenta marginibus rufescentibus. exulans, Erich
      e. Abdominis latera et segmentorum margines rufescentia. gregarius, Erich
    B. Alæ subcinereæ aut cinereæ.

a. Abdomen incisuris albis. - - nigriventris, *Macq*.
b. Abdomen incisuris flavidis. - - microdonta, *Macq*.
c. Abdomen vittis tribus cinereis. pallipennis, *Macq*.
B. Thorax niger.
A. Abdomen piceum. - - - - antecedens, *Walk*.
B. Abdomen pallidum.
a. Alæ limpidæ. - - - - - posticus, *Wied*.
b. Alæ cinereæ. - - - - Sidneyensis, *Macq*.
C. Corpus cinereo-ferrugineum. - - cinerascens, *King*.
Alæ maculatæ.
A. Thorax fuscus. - - - - limbatinensis, *Macq*.
B. Thorax niger. - - - - - gentilis, *Erichs*.
Alæ vittatæ.
A. Abdomen nigrum.
A. Thorax non vittatus. - - - - funebris, *Macq*.
B. Thorax albido vittatus. - - - bifasciatus, *Macq*.
B. Abdomen testaceum. - - - rubriventris, *Macq*.
Alæ fasciatæ. - - - - - lasiophthalma, *Macq*.

432. Tabanus edentulus.

Fœm. *Niger; oculi hirti; antennæ edentulæ; abdomen incisuris albidis; pedes fusci, tibiis fulvis; alæ hyalinæ, venæ cubitalis ramo antico furcato.*

abanus edentulus, *Macq. Dipt. Exot. Suppl.* 1, 34, 68.

asmania.

433. Tabanus acutipalpis.

Fœm. *Niger; palpi elongati; oculi hirsuti; antennæ bari abdominisque fasciæ testacea; pedes fusci, tibiæ rufæ; alæ hyalinæ, venæ cubitalis ramo* 1o *furcato.*

'abanus acutipalpis, *Macq. Dipt. Exot.* i. 1, 131, 20.

Cing Island, Oceania.

434. Tabanus Regis Georgii.

Fœm. *Niger; oculi hirsuti; abdomen maculis dorsalibus incisurisque albidis, segmentorum* 1o *ad* 4*um lateribus rufis; alæ hyalinæ, venæ cubitalis ramo* 1o *furcato.*

Tabanus Regis Georgii, *Macq. Dipt. Exot.* i. 1, 132, 21.

King George's Port, New Holland.

435. Tabanus exulans.

Niger, cinereo pubescens; caput magnum, facie carnea; o pubescentes; abdominis segmenta rufescente marginata; i anteriores rufescente testacea; alæ hyalinæ, venis fuscis.

Tabanus exulans, *Erichson, Archiv. Naturg.* 1842, i. 270, 247.
New Holland.

436. Tabanus gregarius.

Niger; cinereo pubescens; oculi pubescentes; palpi pallid dominis latera et segmentorum margines rufescentia basi testaceæ; alæ litura costali nigra.

Tabanus gregarius, *Erichson, Archiv. Naturg.* 1842, i. 271, 3
New Holland.

437. Tabanus nigriventris.

Ater; abdomen incisuris albis; tibiæ testaceæ; alæ cinere cubitalis ramo 1o furcato.

Tabanus nigriventris, *Macq. Dipt. Exot. Suppl.* 1, 34, 69,
Sidney Isle.

438. Tabanus microdonta.

Niger; antennæ basi fuscæ, dente parvo; abdomen incisuri dis; pedes fusci; alæ subcinereæ, basi et ad costam fu cescentes.

Tabanus microdonta, *Macq. Dipt. Exot. Suppl.* 2, 17, 94.
Tasmania.

439. Tabanus pallipennis.

Fœm. *Niger; abdomen vittis tribus cinereis; tibiæ fulve subcinereæ, venæ cubitalis ramo 1o furcato.*

Tabanus pallipennis, *Macq. Dipt. Exot. Suppl.* 1, 32, 65.
New Holland.

440. Tabanus antecedens.

n. *Niger, palpi testacei; antennæ parvæ, graciles, simplices, vix dilatatæ; thorax cano bivittatus; pectus canum; abdomen piceum, segmentorum marginibus posticis albidis; tibiæ ferrugineæ; alæ subcinereæ.*

ı. ♂ Black. Head clothed beneath with white tomentum, estaceous about the mouth. Palpi pale testaceous, long. ıcis long. Antennæ small, slender; third joint hardly dilated, btusely angular above. Thorax with two hoary stripes; sides ectus hoary. Abdomen piceous; hind borders of the segments h. Tibiæ ferruginous. Wings grayish; veins black; first ı of the cubital vein forming a slightly obtuse angle near its and there rejecting a short branch; subanal vein joining the ıear the border. Length of the body 5 lines; of the wings 9

n Dieman's Land. From Mr. A. J. Smith's collection.

441. Tabanus posticus.

aucus; antennæ, pedes et abdomen ferruginea, hoc apice saturatius; alæ limpidissimæ.

nus posticus, *Wied.*

Holland.

442. Tabanus Sidneyensis.

em. *Niger; abdomen testaceum, albo maculatum; tibiæ testaceæ; alæ cinereæ, venæ cubitalis ramo* 1o *furcato.*

ınus Sidneyensis, *Macq. Dipt. Exot. Suppl.* 1, 33, 66,

ey Island.

443. Tabanus cinerascens.

inereo-ferrugineus, subtus albescens; abdomen linea media maculisque quatuor utrinque cinereis; alæ hyalinæ, basim versus subluteæ.

anus cinerascens, *King.*

ı Holland.

444. Tabanus limbatinervis.

Fuscus; antennæ rufæ, basi fuscæ, apice nigræ; abdomen rufo-fuscanum, maculis dorsalibus albidis; alæ venulis transversis fusco limbatis, venæ cubitalis ramo 2o venaque externo-mediana 1a conjunctis.

Tabanus limbatinervis, *Macq. Dipt. Exot. Suppl.* 2, 16, 93.

Tasmania.

445. Tabanus gentilis.

Testaceus; antennæ apice fuscæ; thorax et abdominis dorsum nigra, hoc segmentorum margine medio sinuato testaceo; tarsi fusci; alæ fusco maculatæ.

Tabanus gentilis, *Erichson, Archiv. Naturg.* 1842, i. 271, 249.

New Holland.

446. Tabanus funebris.

Fœm. *Niger; alæ pallidæ, venis fusco limbatis, venæ cubitalis ramo 1o furcato.*

Tabanus funebris, *Macq. Dipt. Exot. Suppl.* 1, 33, 67, pl. 3, f. 12.

New Holland.

447. Tabanus bifasciatus.

Niger; antennæ articulo 3o basi testaceo; thorax albido bilineatus et bivittatus; abdominis segmenta albido marginata; alæ fuscescentes, venis fusco limbatis, areolis apud discos subhyalinis, venæ cubitalis ramo 2o venaque externo-mediana 1a conjunctis.

Tabanus bifasciatus, *Macq. Hist. Nat. Dipt.* i. 201, 17.

New Holland.

448. Tabanus rubriventris.

Fœm. *Antennæ pedesque rufa; thorax niger rufo pubescens; abdomen testaceum; alæ basi rufescentes, venis rufo marginatis.*

Tabanus rubriventris, *Macq. Dipt. Exot.* ii. 1, 131, 19.

Offack, New Guinea.

New Zealand.

449. TABANUS IMPAR.

iger; antennæ basi fulvæ; thoracis latera ferruginea; men ferrugineum, vitta brevi dorsali fasciisque nigris, on fasciis flavis et maculis trigonis fulvis ornatum; e fulvæ; tarsi picei; alæ cinereæ. Fœm.?—*Fuscus; acis latera et vittæ tres fulva; pectus canum; abdomen um, apice piceum; pedes fulvi.*

npar, *Walk. Zool.* viii. *Append.* lxxi.

Zealand. Presented by Col. Bolton.

450. TABANUS SARPA.

; thoracis vittæ quatuor et pectus cana; abdomen piceum, ntre cano segmentorum marginibus posticis fulvis; pedes lvi, femoribus cinereis, tarsis nigris; alæ subcinereæ.

Sarpa, *White, MSS. Walk. Zool.* viii. *Append.* lxx.

451. TABANUS TRUNCATUS.

us; antennæ nigræ, basi piceæ; thorax cinereo trivittatus, ateribus pectoreque canis; abdomen cinereum, fasciis subinerruptis fuscis ornatum; pedes fulvi, femoribus tarsisque nticis nigris; alæ cinereæ, basi et ad costam subfulvæ.

Auckland, New Zealand. Presented by Col. Bolton.
Zealand.

452. TABANUS OPLUS.

. Fuscus; antennæ pedesque fulva; pectus canum; abdomen ferrugineum, vitta interrupta nigra; tarsi fusci; alæ subcinereæ.

aus Oplus, *White, MSS. Walk. Zool.* viii. *Append.* lxx.

Auckland, New Zealand. Presented by Col. Bolton.

453. Tabanus sordidus.

Niger; caput cano tomentosum; thorax cano trivittatus; abdomen fulvum, vitta dorsali basi apiceque nigris, segmentorum marginibus posticis testaceis; tibiæ posteriores fulvæ; alæ cineræ, venis nigris fusco nebulosis.

Fem. Has much resemblance to *T. recedens.* Black. Head clothed with hoary tomentum and down. Palpi tawny. Thorax with three hoary stripes, clothed with hoary hairs; a few black hairs on each side and a ferruginous callus before each wing. Abdomen tawny, with a black stripe, which is interrupted on the hind border of each segment, and is dilated at the base and towards the tip; hind borders of the segments testaceous. Posterior tibiæ tawny. Wings gray; veins black, clouded with brown; first branch of the cubital vein simple, hardly angular near the base; subanal joining the anal at some distance from the base. Halteres tawny. Length of the body 6½ lines; of the wings 13 lines.

a. New Zealand. Presented by Col. Bolton.

454. Tabanus transversus.

Mas et Fœm. *Testaceus; antennæ fulvæ, parvæ, subarcuatæ, apice nigræ; thoraxæ fusco quadrivittatus; abdomen supra fuscum, vitta dorsali et segmentorum marginibus posticis testaceis; tarsi fuscescentes; alæ subcinereæ.*

Male and Fem. Testaceous. Head and thorax with white tomentum beneath. Antennæ tawny, small, slightly curved, with black tips; third forming an obtuse angle above. Thorax with four brown stripes. Abdomen brown above, excepting a dorsal stripe and the hind borders of the segments. Tarsi brownish. Wings grayish; veins tawny; stigma brown; transverse veinlets black: first branch of the cubital vein simple; subanal vein joining the anal close to the border. Length of the body 3½—4 lines; of the wings 8—9 lines.

a—d. Auckland, New Zealand. Presented by Col. Bolton.

Sandwich Islands

455. Tabanus insularis.

Tabanus insularis, *Cat. of Diptera*, Pt. 1, 184.

Country unknown.

456. TABANUS OPULENTUS.

ulentus, *Cat. of Diptera*, Pt. 1, 148.

457. TABANUS FORMOSUS.

ormosus, *Cat. of Diptera*, Pt. 1, 148.

458. TABANUS MICROCERUS.

microcerus, *Cat. of Diptera*, Pt. 1, 150.

459. TABANUS FULVIMEDIUS.

fulvimedius, *Cat. of Diptera*, Pt. 1, 152.

460. TABANUS FLAMMANS.

flammans, *Cat. of Diptera*, Pt. 1, 153.

461. TABANUS AMABILIS.

s amabilis, *Cat. of Diptera*, Pt. 1, 154.

462. TABANUS CHRYSOPHILUS.

is chrysophilus, *Cat. of Diptera*, Pt. 1, 155.

463. TABANUS DIVES.

us dives, *Cat. of Diptera*, Pt. 1, 166.

464. TABANUS DEPRESSUS.

nus depressus, *Cat. of Diptera*, Pt. 1, 167.

465. TABANUS INCONSPICUUS.

Tabanus inconspicuus, *Cat. of Diptera*, Pt. 1, 171.

466. TABANUS TRANSIENS.

Tabanus transiens, *Cat. of Diptera*, Pt. 1, 174.

467. TABANUS PRISCUS.

Tabanus priscus, *Cat. of Diptera*, Pt. 1, 176.

468. TABANUS ALBILINEA.

Tabanus albilinea, *Cat. of Diptera*, Pt. 1, 176.

469. TABANUS FINALIS.

Tabanus apicalis (nomen bis lectum), *Cat. of Diptera*, Pt. 1, 178

470. TABANUS CÆSIUS.

Tabanus cæsius, *Cat. of Diptera*, Pt. 1, 180.

471. TABANUS SECUNDUS.

Tabanus secundus, *Cat. of Diptera*, Pt. 1, 180.

472. TABANUS NEPOS.

Tabanus nepos, *Cat. of Diptera*, Pt. 1, 181.

473. TABANUS CIRCUMDATUS..

Tabanus circumdatus, *Cat. of Diptera*, Pt. 1, 185.

474. TABANUS ARGENTIFRONS.

Tabanus argentifrons, *Cat. of Diptera*, Pt. 1, 186.

475. TABANUS LIGATUS.

atus, *Diptera Saundersiana*, Pt. 1, 59.

476. TABANUS SEQUENS.

:quens, *Diptera Saundersiana*, Pt. 1, 60.

477. TABANUS JANUS.

Janus, *Diptera Saundersiana*, Pt. 1, 61.

478. TABANUS PLANUS.

planus, *Diptera Saundersiana*, Pt. 1, 61.

479. TABANUS CONNEXUS.

; connexus, *Diptera Saundersiana*, Pt. 1, 62.

480. TABANUS CONTACTUS.

s contactus, *Diptera Saundersiana*, Pt. 1, 63.

481. TABANUS HISPIDUS.

us hispidus, *Diptera Saundersiana*, Pt. 1, 63.

482. TABANUS VARIATUS.

ıus variatus, *Diptera Saundersiana*, Pt. 1, 64.

483. TABANUS HONESTUS.

nus honestus, *Diptera Saundersiana*, Pt. 1, 64.

484. TABANUS FULVIGER.

anus fulviger, *Diptera Saundersiana*, Pt. 1, 65.

485. Tabanus rufoniger.

Tabanus rufoniger, *Diptera Saundersiana*, Pt. 1, 66.

486. Tabanus redactus.

Tabanus redactus, *Diptera Saundersiana*, Pt. 1, 66.

487. Tabanus senior.

Tabanus senior, *Diptera Saundersiana*, Pt. 1, 67.

A. Corpus nigrum.
  A. Scutellum nigrum.
    a. Alæ hyalinæ.
      a. Pedes nigri.
        i. Tibiæ fuscanæ. - - - - nigricans, Wa.
        ii. Tibiæ fulvæ.
          * Thorax non vittatus. - - dubius, Ma
          ** Thorax vittatus. - - albivittatus, M.
        iii. Tibiæ albidæ. - - - trifasciatus, M
      b. Pedes fusci. - - - - - - difficilis, Ma
      c. Pedes lutei. - - - - - - ditænia, Ma
      d. Pedes flavi, femoribus fulvis. - fulvifasciatus, M
    B. Alæ fuscæ. - - - - - - macula, Ma
  B. Scutellum testaceum. - - - scutellatus, Ma
B. Thorax niger.
  A. Abdomen aurantiacum. - - - - Megerlei, Wa
  B. Abdomen fulvum. - - - - advena, Wa
C. Thorax fuscus. Abdomen cyaneo-nigrum.
macrodonta, Ma
D. Corpus nigro-fuscum. - - - - - gigas, Ma
E. Corpus fuscum.
  A. Alæ subcinereæ. - - - - - incertus, Ma
  B. Alæ subrufescentes. - - - - fusconervosus, Ma
  C. Alæ subrufofuscæ. - - - - - longipennis, Ma
F. Thorax castaneus. Abdomen fuscum. - fuscinervis, Ma
G. Thorax rufus. Abdomen apice piceum. - fenestratus, Wa
H. Thorax rubescens. Abdomen castaneum.
castaneoventris, Ma
I. Thorax ferrugineus. Abdomen flavum. - brevivitta, Ma
J. Thorax testaceus.

en ferrugineum. - - - lativentris, *Macq.*
en fulvum. - - - lagenaferus, *Macq.*
anum. - - - - - - Fullo, *Walk.*
chraceum, flavum aut testaceum.
ıvescentes. - - - - - ochraceus, *Macq.*
mpidæ.
omen bivittatum. - - - lineola, *Pal. Beauv.*
omen univittatum. - - - elongatus, *Wied.*

488. Tabanus nigricans.

; *abdomen punctis albo pilosis; tibiæ fuscanæ; alæ limæ, costa parum fuscana.*

igricans, *Wied. Auss. Zweifl.* i. 157, 72.

489. Tabanus dubius.

Niger; oculi hirsuti; articulo 3o basi testaceo; abdomen ıculis dorsalibus cinereis; tibiæ fulvæ; alæ hyalinæ.

dubius, *Macq. Dipt. Exot.* i. 1, 150, 58.

490. Tabanus albivittatus.

ı; *antennæ fuscæ, apice nigræ; thorax vittis cinereis; abdoıen e maculis albis trivittatum, maculis posticis discis nsgris; ibiæ fulvæ, anticæ nigræ basi albidæ; alæ venis fusco imbatis.*

ı albivittatus, *Macq. Hist. Nat. Dipt.* i. 206, 32.

491. Tabanus trifasciatus.

ı; *thorax vittis cinereis; abdomen e maculis albis trivittatum; tibiæ albidæ.*

ıs trifasciatus, *Macq. Hist. Nat. Dipt.* i. 205, 27.

492. Tabanus difficilis.

Nigellus, albido pilosus; abdomen trifariam albo maculatum, maculis lateralibus majoribus; pedes fulvo-fuscani; alæ limpidissimæ.

Tabanus difficilis, *Wied. Auss. Zweifl.* i. 165, 83.

493. Tabanus ditænia.

Niger, nitens; abdomen vittis duabus albidis; pedes lutei; alæ limpidissimæ.

Tabanus ditænia, *Wied. Auss. Zweifl.* i. 182, 107.

494. Tabanus fulvifasciatus.

Nigra; antennæ ferrugineæ; abdomen vittis duabus, marginibus posticis ventreque fulvis; pedes flavi, femoribus fulvis, tarsis anticis nigricantibus; alæ ad costam flavæ.

Tabanus fulvifasciatus, *Macq. Hist. Nat. Dipt.* i. 206, 33.

495. Tabanus macula.

Fœm. *Niger; oculi hirti; thorax rufo tomentosus; abdomen macula dorsali albida; alæ fuscæ, venæ cubitalis ramo 1° subfurcato.*

Tabanus macula, *Macq. Dipt. Exot. Suppl.* 1, 43, 89.

496. Tabanus scutellatus.

Fœm. *Ater, cinereo pubescens; antennæ furca elongata; scutellum testaceum; alæ fuscæ.*

Tabanus scutellatus, *Macq Dipt. Exot.* i. 2, 186.

497. Tabanus Megerlei.

: *thorax albido bivittatus; abdomen aurantiacum vitta* ɪ *; alæ fuscano pictæ.*

egerlei *Wied. Auss. Zweifl.* i. 132, 32.

498. Tabanus advena.

caput et antennæ ferruginea; thoracis latera et abdomen va, *hujus apice piceo; pedes fulvi, tarsis anticis nigris;* ɜ *albidæ.*

ıdvena, *Walk. Zool.* viii. *Append.* lxix.

- ? Voyage of the Blonde. Presented by Capt. Lord ɔn.

499. Tabanus macrodonta.

Niger; antennæ furca elongata; thorax fuscus; abdomen yaneo-nigrum; *tibiæ anticæ basi albidæ; alæ fuscæ, fascia* ;piceque subhyalinis.

ıs macrodonta, *Macq. Dipt. Exot.* i. 2, 183.

500. Tabanus gigas.

ɪro-fuscus; *alæ subfuscescentes, basi margineque externo nigro-* fuscis.

ıus gigas, *Macq. Hist. Nat. Dipt.* i. 200, 12.

501. Tabanus incertus.

ɜm. *Obscure fuscus; antennæ nigræ; abdomen maculis dorsalibus albidis; pedes fusco-fulvi; alæ subcinereæ, venis fusco marginatis.*

anus incertus, *Macq. Dipt. Exot.* i. 1, 147, 53.

502. Tabanus fusconervosus.

Fœm. *Obscure fuscus; antennæ pedesque fulva; abdomen maculis dorsalibus albidis; alæ subrufescentes, venis fusco marginatis.*

Tabanus fusconervosus, *Macq. Dipt. Exot.* i. 1, 147, 52.

Allied to *T. lineatus.*

503. Tabanus longipennis.

Fuscus; antennæ ferrugineæ; thorax vittis tribus indistinctis obscurioribus; abdomen vitta dorsali obscuriore indistincta; pedes fulvi; alæ longæ, subrufo-fuscæ.

Tabanus longipennis, *Macq. Hist. Nat. Dipt.* i. 201, 15.

504. Tabanus fuscinervis.

Fœm. *Castaneus; antennæ testaceæ, apice fuscæ, furca elongata; abdomen fuscum, maculis dorsalibus trigonis albidis; pedes fusco-fulvi, antici fusci tibiis albidis; alarum venæ fusco marginatæ.*

Tabanus fuscinervis, *Macq. Dipt. Exot.* i. 2, 184.

505. Tabanus fenestratus.

Rufus; palpi, antennæ basi et pedes ferruginea; abdomen apice piceum; tarsi picei; alæ limpidæ, dimidio basali nigro-fusco maculis duabus limpidis.

Tabanus fenestratus, *Walk. Zool.* viii. *Append.* lxvii.

a. ———?

506. Tabanus castaneoventris.

Fœm. *Thorax rubescens; abdomen castaneum, maculis dorsalibus albidis, basi rubescens; femora fulva, tibiæ flavo-albæ; alæ hyalinæ.*

Tabanus castaneoventris, *Macq. Dipt. Exot.* i. 1, 148, 55.

509. Tabanus brevivitta.

caput subtus albidum; antennæ basi pedesque fulva; ax ferrugineus, vittis duabus flavis ferrugineo maculatis ıtus; tarsi picei; alæ limpidæ fusco trimaculatæ, ad cos- flavo-fuscæ.

revivitta, *Walk. Zool.* viii. *Append.* xcvi.

?

510. Tabanus lativentris.

Antennæ fulvæ dente elongato; thorax testaceus; abdomen tum ferrugineum; pedes fulvi; alæ flavescentes.

lativentris, *Macq*, *Dipt. Exot.* i. 1, 149, 57, pl. 18, f. 1.

511. Tabanus lagenaferus.

. *Testaceus; antennæ apice nigræ; thorax vittis nigricanibus; abdomen pedesque fulva; alæ hyalinæ.*

s lagenaferus, *Macq. Dipt. Exot.* i. 1, 148, 54.

512. Tabanus Fullo.

ıs; *caput subtus album; palpi, antennæ basi pedesque fulva; abdominis segmentorum margines postici ferruginei; femora cana; tarsi picei; alæ albidæ.*

us Fullo, *Walk. Zool.* viii. *Append.* lxvii.

——?

513. Tabanus ochraceus.

ım. *Ochraceus; antennæ dente elongato; alæ flavescentes.*

nus ochraceus, *Macq. Dipt. Exot.* i. 1, 149, 56.

Resembles T. unicolor, *Wied.*

514. Tabanus lineola.

Ardentissime testaceus; abdomen vittis tribus dilatatis limpidæ.

Tabanus lineola, *Pal. Beauv. Ins.* pl. 2, f. 6. *Wied. Aus.* i. 169, 88.

515. Tabanus elongatus.

Flavidus, albo hirtus; abdomen ardentius flavidum, vitta alæ limpidæ.

Tabanus elongatus, *Wied. Auss. Zweifl.* i. 124, 19.

Genus 7. DASYBASIS.

Tabano affinis. Frons fœm. sat lata, postice paullo basi transverse sulcata. Facies maris hirtissima, fœm. Proboscis labiis tenuibus. Antennæ 6-articulatæ, basi acuminatæ, articulo 3o subtus dilatato, non dentato.

Dasybasis, *Macq. Dipt. Exot. Suppl.* 2, 25.

Mediastinal vein ending before two-thirds of the length wing. Subcostal ending at about three-fourths of the length. dial curved towards its tip, ending nearer to the tip of the wing to the subcostal. First branch of the cubital simple, form rounded angle near its base, curved and parallel to the radial wards its tip; second branch nearly straight, ending on the border far from the tip of the wing. Four complete separate medial veins. Anal vein undulating, not united to the Axillary vein curved. Discal areolet elongated, hexagonal.

1. Dasybasis appendiculata.

Nigra; oculi hirti; abdominis incisuræ fulvæ; tibiæ anticæ nigræ; alarum venæ transversæ fusco limbatæ. cubitalis ramus 1us furcatus.

Dasybasis appendiculata, *Macq. Dipt. Exot. Suppl.* 2, 25, 1, f. 1.

New Holland.

2. DASYBASIS FUSCONIGER.

sconiger, *Cat. of Diptera*, Pt. 1, 192.

3. DASYBASIS PERSONATUS.

ersonatus, *Cat. of Diptera*, Pt. 1, 192.

4. DASYBASIS ERISTALOIDES.

ristaloides, *Cat. of Diptera*, Pt. 1, 193.

Genus 8. ACANTHOCERA.

oscis brevis. Ocelli nulli. Antennæ 7-articulatæ, capitis ue longitudine; flagellum simplex, fusiforme, basi elonga- iculi 1us et 2us acuminati. Alæ angustæ; venæ cubitalis us furcatus.

cera, *Macq. Hist. Nat. Dipt.* i.

diastinal vein ending before two-thirds of the length of the Subcostal ending before three-fourths of the length. Radial curved towards its tip, ending much nearer to the tip of the an to the subcostal. First branch of the cubital simple, ob- ngular near the base, almost straight from thence to the ond branch straight, ending on the hind border far from the the wing. Four complete separate externo-medial veins. l vein united to the anal close to the border. Discal areolet ted, narrow, hexagonal.

1. ACANTHOCERA LONGICORNIS.

ra, gracilis, orichalceo lineata; alæ costa, lunula, vittaque fuscis.

ius longicornis, *Fabr. Ent. Syst.* iv. 371, 38; *Syst. Antl.* 03, 45.
atopota triangularis, *Wied. Zool. Mag.* iii. 44, 6.
atopota longicornis, *Wied. Dipt. Exot.* i. 98, 4; *Auss. Zweifl.* 213, 1.
thocera longicornis, *Macq. Dipt. Exot.* i. 1, 154.
il.

2. Acanthocera marginalis.

Fœm. *Picea; antennæ cornutæ, basi testaceæ, thoracis longitudine; thorax vittis duabus dorsalibus maculisque duabus lateralibus scutelloque aurato-flavis; abdominis segmenta* 1um *et* 2um *aurato-flavo marginata; pedes picei, tibiis tarsisque basi albis; alæ limpidæ, vitta costali strigaque postica fuscis.*

Fem. Piceous. Head with a triangular callus in front, and a larger and nearly round one beneath the antennæ. Antennæ as long as the thorax, testaceous at the base; third joint with a rather long horn; the following joints of nearly equal length, shorter than the third. Thorax with two slender parallel gilded yellow dorsal stripes, and with a gilded yellow spot on each side. Scutellum gilded yellow. First, second and third abdominal segments with gilded yellow hind borders. Legs piceous; tibiæ and tarsi white towards the base; middle tibiæ wholly white. Wings limpid, brown along the fore border, and with a brown streak between the subanal and anal veins towards their tips; first branch of the cubital vein simple, forming a sharply defined slightly obtuse angle near the base; subanal vein joining the anal close to the border. Length of the body 4 lines; of the wings 8 lines.

a. Parà. From Mr. Bates' collection.

Genus 9. DIABASIS.

Frons fœm. sat angusta. Facies convexa. Ocelli nulli. Proboscis brevis. Palpi fœm. subulati. Antennæ mediocres, incumbentes, 7-articulatæ, oculis inferius insertæ, articulo 3o simplici. Tibiæ anticæ sæpissime arcuatæ.

Diabasis, *Macq. Hist. Nat. Dipt.* i.; *Dipt. Exot.* i. 1, 150.
Tabanus, p., *Fabr.*; *Wied.*

Mediastinal vein ending at before two-thirds of the length of the wing. Subcostal ending before three-fourths of the length. Radial ending at half the distance between the subcostal and the tip of the wing. First branch of the cubital simple, forming an obtuse and rounded angle near the base, slightly curved towards the tip. Second branch ending on the hind border far from the tip of the wing. Four complete separate externo-medial veins. Subanal vein united to the anal at some distance from the border. Discal areolet elongated, narrow, hexagonal; sides slightly convex.

1. Diabasis varius.

rius, *Cat. of Diptera*, Pt. 1, 209.

us has straight and slender fore tibiæ, and thereby dif-
ıe other species of this genus. The eyes are very hairy.

niger.
venis transversis fusco marginatis. - scutellata, *Macq.*
apice fuscæ. - - - - podagrica, *Fabr.*
costa fusca. - - - - - bicincta, *Fabr.*
costa apiceque fuscis.
ıorax vitta flava. - - - - bivittata, *Wied.*
ıorax utrinque albidus. - - - glabra, *Wied.*
fusco fasciatæ. - - - - diversipes, *Macq.*
x piceus. - - - - - - crassipes, *Wied.*
x fuscus. - - - - - globicornis, *Hoffm.*
x pallidus.
e hyalinæ. - - - - - interrupta, *Macq.*
e apice fuscæ.
Thorax non vittatus. - - - - atænia, *Macq.*
Thorax vittatus. - - - - curvipes, *Fabr.*
e fuscanæ. - - - - fuscipennis, *Macq.*

2. Diabasis scutellata.

Niger; antennæ et scutellum rufa; tibiæ posticæ albæ; ılarum venæ transversæ fusco marginatæ.

s scutellata, *Macq. Dipt. Exot.* i. 1, 151, 1, pl. 18, f. 2.

e.

3. Diabasis? podagrica.

ra; thorax limbo et abdomen basi flava, hoc macula apiceque nigris; alæ apice fuscæ; tibiæ posticæ incrassatæ, piceæ.

ıtopota podagrica, *Fabr. Syst. Antl.* 108, 5. *Wied. Dipt. Exot.* i. 98, 3; *Auss. Zweifl.* i. 219, 9.

America.

4. Diabasis bicincta.

Nigra; thoracis maculæ, scutellum, fasciæque duæ [illegible] *nis albida; alæ costa fusca.*

Tabanus bicinctus, *Fabr. Syst. Antl.* 102, 42; *Auss. Zw*[illegible] 120.

Chrysops bicinctus, *Wied. Dipt. Exot.* i. 105, 6.

South America.

5. Diabasis bivittata.

Nigra; antennæ basi fulvæ; thorax vitta tomentosa [illegible] *tello flavescente; abdomen fulvum, nigro bivittatum fulvi; alæ limpidæ, costa apiceque fuscis.*

Tabanus bivittatus, *Wied. Auss. Zweifl.* i. 193, 122.

Hæmatopota bivittata, *Macq. Hist. Nat. Dipt.* i. 212, 8.

Brazil.

6. Diabasis glabra.

Nigella; antennæ flavæ; thorax utrinque albidus; [illegible] *fascia glaucescente; abdomen fuscum, fasciis macu*[illegible] *nas emittentibus flavis; alæ costa apiceque fuscanis.*

Tabanus glabra, *Wied. Auss. Zweifl.* i. 192, 121.

Brazil.

7. Diabasis diversipes.

Fœm. *Niger; antennæ fulvæ; scutellum, abdominis fasci*[illegible] *tibiæque anterioræ albidæ; alæ costa fasciaque transversa gusta fuscis.*

Diabasis diversipes, *Macq. Dipt. Exot. Suppl.* 3, 13, 2.

Brazil.

8. Diabasis? crassipes.

Picea; antennæ ferrugineæ; alæ ad costam fuscæ, albo [illegible] *punctatæ; tibiæ anticæ compressæ dilatatæ; tarsi basi* [illegible]

Hæmatopota crassipes, *Fabr. Syst. Antl.* 108, 4. *Wied.* [illegible] *Exot.* i. 97, 2; *Auss. Zweifl.* i. 220, 10.

South America.

9. Diabasis globicornis.

ɪennæ articulo 2o globiformi ; abdomen vitta alba ; alæ apiceque fuscis.

bicornis, *Hoffmansegg*, *Wied. Dipt. Exot.* i. 96, 59 ; *Zweifl.* i. 190, 118.

10. Diabasis interrupta.

Antennæ fulvæ ; thorax cinereo flavicans ; abdomen ful-, fasciis tribus nigris, interruptis ; pedes fulvi, tibiis is ; alæ hyalinæ.

nterrupta, *Macq. Dipt. Exot.* i. 1, 152, 4.

11. Diabasis atænia.

ɪ ; *tibiæ tarsique antica nigra ; alæ apice fuscæ.*

atænia, *Macq. Dipt. Exot.* i. 1, 152, 3.

, Brazil.

12. Diabasis curvipes.

a ; *thorax vittatus ; abdomen ferruginosum, vitta sulphurea ; ibiæ anticæ incrassatæ ; alæ apice fuscæ.*

is curvipes, *Fabr. Syst. Antl.* 107, 3. *Wied. Dipt. Exot.* i. , 49 ; *Aust. Zweifl.* i. 176, 98.

America.

13. Diabasis fuscipennis.

ɛm. *Thorax testaceus ; abdomen flavescens ; femora fusca, tibiæ albidæ ; alæ fuscanæ.*

asis fuscipennis, *Macq. Dipt. Exot.* i. 1, 152, 2.

il.

Genus 10. HADRUS.

Corpus squamosum. Frons fœm. lata. Facies Ocelli nulli. Palpi fœm. ovati, obtusi. Proboscis tenuæ mediocres, incumbentes, 7-articulatæ, oculis infe articulo 3o simplici. Tibiæ anticæ arcuatæ.

Hadrus, *Perty, Del. Anim. Artic. Bras.*
Tabanus, p., *Wied.*
Lepiselaga, *Macq.*

Mediastinal vein ending at two-thirds of the leng wing. Subcostal ending at three-fourths of the length ending at nearer to the subcostal than to the tip of the wi branch of the cubital simple, slightly curved, forming an rounded angle near the base; second branch straight, en hind border far from the tip of the wing. Four complete externo-medial veins. Subanal vein united to the anal border. Discal areolet elongated, narrow, hexagonal; very concave.

1. Hadrus lepidotus.

Niger, viridaureo squamulosus; alæ nigræ, guttulis alb limpidæ.

Tabanus lepidotus, *Wied.*

Brazil, Guiana.

a. Parà. From Mr. Bates' collection.

Genus 11. SELASOMA.

Fœm. Corpus compressum, metallicum. Caput depr Frons sat angusta. Facies brevis. Oculi nudi. *Ocelli* Palpi crassi, subelevati, supra convexi. Antennæ capitis ba sertæ, articulo 3o latissimo compresso ovali. Tibiæ latæ, conv extus ciliatæ. Alarum vena cubitalis ramo 1o furcato.

Selasoma, *Macq. Dipt. Exot.*
Tabanus, p., *Wied.*
Hadrus, p., *Walk.*

Mediastinal vein ending before two-thirds of the length of wing. Subcostal ending at three-fourths of the length. Ba ending a little nearer to the tip of the wing than to the subco

of the cubital forked and obtusely angular near the curved from thence to the tip; second branch nearly ng on the hind border far from the tip of the wing. e separate externo-medial veins. Subanal vein united near the border. Discal areolet oblong, hexagonal, ad; hind basal side rather long.

1. Selasoma tibiale.

-violaceus; tibiæ incrassatæ; alæ fusco-nigræ, apice dæ.

ialis, *Fabr. Syst. Antl.* 102, 39. *Wied. Dipt. Exot.* i. ; *Auss. Zweifl.* i. 164, 82.
tbiale, *Macq. Dipt. Exot.* i. 2, 188.
is cyaneus, *Cat. of Diptera*, Pt. 1, 208.
alybeus, *Perty, Del. Anim. Art. Bras.*

2. Selasoma cyaneum.

us; alæ limpidissimæ.

cyaneus, *Wied. Auss. Zweifl.* i. 152, 65.

Genus 12. SILVIUS.

pus oblongum, pubescens. Ocelli tres. Proboscis brevis. 7-articulatæ, sat parvæ; articulus 3us angulatus, non fur- Abdomen longi-obconicum. Pedes sat gracilis.

Meig. Zweifl. ii. *Wied.; Macq.*
is, p., *Fabr.*

ediastinal vein ending at much before two-thirds of the of the wing. Subcostal ending at a little before three-fourths length. Radial ending much nearer to the tip of the wing o the subcostal. First branch of the cubital simple, slightly l, with a very obtuse and rounded angle near its base; second a ending on the hind border far from the tip of the wing. complete separate externo-medial veins. Subanal vein united anal at some little distance from the border. Discal areolet ated, hexagonal.

Europe.

1. Silvius Vituli.

Ferrugineus; antennæ apice nigræ; abdomen fuscum, segmentorum marginibus ferrugineis; pedes flavi; alæ limpidæ.

Tabanus Vituli, *Fabr.*

The second branch of the cubital vein is straight in the male, curved and approaching the first externo-medial vein in the female.

North America.

2. Silvius isabellinus.

Læte isabellinus; frons dilute glaucescens; abdomen incisuris albidis; alæ limpidissimæ.

Silvius isabellinus, *Wied.*

South America.

A. Corpus ferrugineum. - - - - - Vulpes, *Wied.*
B. Corpus fuscum. - - - - - - Esenbeckii, *Wied.*
C. Corpus nigrum. - - - - - - Silveirii, *Macq.*

3. Silvius Vulpes.

Ferrugineus; tibiæ posticæ nigro pilosæ; alæ saturate flavido-fuscanæ.

Silvius Vulpes, *Wied. Auss. Zweifl.* i. 111, 1.
Brazil.

4. Silvius Esenbeckii.

Fuscus; antennæ nigro-fuscæ, non dentatæ; abdomen niveo fasciatum; pedes nigri; alæ basi flavidæ, apice fuscæ.

Silvius Esenbeckii, *Wied. Auss. Zweifl.* ii. 622, 19.
Brazil.

5. Silvius Silveirii.

ger; abdomen fasciis tribus albis; tibiæ albæ; alæ æ, ad costam nigro-fuscæ.

rii, *Macq. Dipt. Exot.* i. 1, 155, 1, pl. 19, f. 1.

Africa.

lavidus.	- - - - -	denticornis, *Wied.*
nigricans.	- - - - -	Algirus, *Meig.*
cinereus.	- - - -	appendiculata, *Macq.*

6. Silvius denticornis.

; *abdomen vittulis baseos duabus et utrinque marginali cis; alæ fuscæ, macula excisuraque limpidis.*

nticornis, *Wied.*

atal. From Mr. Stevens' collection.

7. Silvius Algirus.

; *frons, facies et palpi flava; antennæ apice nigræ; thorax igricans, fulvo pilosus; alæ limpidæ, costa flava; abdomen iaculis quatuor dorsalibus albidis; pedes flavi, tarsis nigris iasi flavis.*

algirus, *Meig. Zweifl.* vi. 2. *Macq. Hist. Nat. Dipt.* i. 214, *Lucas, Explor. Scient. Alg. Zool.* iii. 427, 35.

8. Silvius appendiculatus.

s. *Cinereus; antennæ palpique fulva, hi apice nigri; abdomen antice fulvum, maculis dorsalibus nigris, postice nigricans; pedes flavis, tarsis nigris; alæ flavidæ.*

s appendiculatus, *Macq. Dipt. Exot. Suppl.* 1, 45, 2, pl. 4, f. 10.

ers.

Genus 13. SCEPSIS.

Silvio affinis. Ocelli distincti. Antennæ parvæ, [illegible] Venæ cubitalis ramus 1us fuscam longum emittens.

Scepsis, *Diptera Saundersiana*, Pt. 1, 71.

1. Scepsis nivalis.

Scepsis nivalis, *Diptera Saundersiana*, Pt. 1, 71, pl. 2, f. 7.

South America.

Genus 14. CHRYSOPS.

Corpus mediocre, pubescens, oblongum, sat latum. [illegible] tres. Proboscis brevis. Antennæ 7-articulatæ, cylindricæ; [illegible] 1us et 2us hirti, æquales. Abdomen depressum. Alæ [illegible] fasciatæ aut nigræ maculis limpidis.

Chrysops, *Meig. Klass.; Fabr. Syst. Antl.; Latr.; Fall.*, [illegible] *Zeller; Zett.*
Tabanus, p., *Linn.; Fabr. Ent. Syst.; Gmel.; Panz.*

Mediastinal vein ending at much before two-thirds [illegible] length of the wing. Subcostal ending at a little before three-[illegible] of the length. Radial ending at somewhat nearer to the tip [illegible] wing than to the subcostal. First branch of the cubital simple, [illegible] slightly curved, forming a very obtuse and rounded *angle* [illegible] base; second branch nearly straight, ending on the hind bo[illegible] some distance from the tip of the wing. Four complete s[illegible] externo-medial veins. Subanal vein united to the anal *on the* [illegible] der. Discal areolet elongated, hexagonal; fore side very [illegible] longer than the hind side.

Europe.

A. Alæ fuscæ maculis pallidis.
  A. Pedes nigri.
    A. Abdomen maris basi fulvo bimaculatum, fœm. *basi fulva* [illegible] cæcutiens, [illegible]
    B. Abdomen maris maculis fulvis trivittatum, fœm. lateribus [illegible] basi flavis. - - - - - - pictus, [illegible]
      a. Tibiæ fulvæ.
        i. Abdominis segmentum 2um maculis duabus basi [illegible] cohærentibus nigris. - - relictus, [illegible]

ii. Abdominis segmentum 2um striolis longitudinalibus subparallelis nigris. - - parallelogramma, *Zell.*
b. Tibiæ nigræ. - - - - - - nigripes, *Zett.*
c. Abdomen fulvum, antice macula quadrata, postice fasciis nigris. - - - - - - quadratus, *Meig.*
B. Pedes testacei, femoribus nigris. - - pictus, *Meig.*
C. Pedes fulvi. - - - - - - - rufipes, *Meig.*
3. Alæ limpidæ, fusco fasciatæ.
A. Thorax niger.
A. Abdomen flavo maculatum. - - fenestratus, *Fabr.*
B. Abdomen flavo non maculatum. - sepulchralis, *Fabr.*
B. Thorax pallidus.
A. Alæ apice limpidæ.
a. Thorax flavus. - - - - marmoratus, *Rossi.*
b. Thorax canus. - - - - italicus, *Meig.*
B. Alæ apice fuscanæ. - - - pallida, *Macq.*
C. Alæ subfuscescentes. - - - - singularis, *Meig.*
D. Alæ omnino limpidæ. - - - vitripennis, *Meig.*

1. Chrysops cæcutiens.

Niger; thorax fœminæ *cinereo bivittatus; abdomen* maris *basi fulvo bimaculatum*, fœminæ *basi fulvum maculisque trigonis fulvis vittatum; alæ* maris *nigro-fuscæ cinereo bimaculatæ*, fœminæ *fuscæ limpido bimaculatæ.*

Tabanus cæcutiens, *Linn.*
Chrysops cæcutiens, *Meig.* *Dum. Cons. Gen. Ins.* pl. 46, f. 6, *Dahlb. Ins. Skad. och Nytt.* 307, 206. *Zeller, Isis*, 1840, 518, 1, 1842, 823, pl. 4, f. 33, 34.

a—f. England. From Mr. Stephens' collection.

2. Chrysops relictus.

Niger; thorax fœminæ *cinereo quadrivittatus; abdomen maculis trigonis cinereis univittatum maculisque fulvis trivittatum*, fœminæ *lateribus basi flavis segmentorum marginibus posticis cinereis; tibiæ fulvæ; alæ* maris *nigro-fuscæ cinereo bimaculatæ*, fœminæ *fuscæ albido bimaculatæ.*

Chrysops relictus, *Hoffm.*; *Meig. Zeller*, *Isis*, 1840, 518, 2, 1842, 825, pl. 4, f. 32. Fœm. — *Abdomen ferrugineum, segmenti 2i maculis duabus basi subcohærentibus nigris, 3i 4ique fascia bis emarginata, in medio interrupta nigra.*

a—f. England. From Mr. Stephens' collection.

3. Chrysops parallelogramma.

Fœm. *Abdomen ferrugineum, segmenti 2i striolis longitudinalibus subparallelis nigris, 3i 4ique fascia bis emarginata, in medio interrupta nigra.*

Chrysops parallelogramma, *Zeller*, *Isis*, 1842, 823—825.

Austria.

4. Chrysops nigripes.

Fœm. *Nigricans; antennæ, palpi pedesque nigra; abdominis segmenta margine tenuiter serieque dorsali media macularum trigonarum, glaucis.*

Chrysops nigripes, *Zett. Ins. Lapp.* 519, 3; *Dipt. Scand.* i. 125, 3.

Lapland.

5. Chrysops quadratus.

Mas. *Niger; abdomen fulvum, antice macula quadrata, postice fasciis nigris; alæ nigro-fuscæ, cinereo bimaculatæ.*

Chrysops quadratus, *Meig. Zeller*, *Isis*, 1840, 519, 3.

6. Chrysops pictus.

Niger; antennæ basi testaceæ; thorax fœminæ *antice cinereo bivittatus; abdomen fulvum, segmento 2o puncto triangulari, reliquis fascia nigris; pedes testacei, femoribus nigris; alæ* maris *nigro-fuscæ cinereo bimaculatæ,* fœminæ *fuscæ albido bimaculatæ.*

Chrysops pictus, *Meig. Zeller*, *Isis*, 1840, 519, 4; 1842, 823, pl. 4, f. 28, 29.

7. Chrysops rufipes.

Niger; abdomen seriebus tribus macularum trigonarum isurisque fulvis; pedes fulvi, genubus nigris; alæ fuscæ, ıpido bimaculatæ.

rufipes, *Meig.* *Zeller, Isis*, 1840, 519, 5; 1842, 823, pl. 30. *Zett. Dipt. Scand.* i. 126, 6.
viduatus, Var. β., *Fall. Dipt. Suec. Taban.* 10, 2.

8. Chrysops fenestratus.

; thorax fœminæ *cinereo vittatus; abdomen flavo maculatum; tibiæ fulvæ; alæ fascia fusca albo maculata.*

s fenestratus, *Fabr.* *Lucas. Explor. Sci. Alg, Zool.* iii. , 36.
North Africa.

9. Chrysops sepulchralis.

r; abdomen incisuris pallide villosis; alæ albidæ, costa maculaque media transversa nigris.

ıps sepulchralis, *Zett. Dipt. Scand.* i. 126, 7.
Europe. North America.

10. Chrysops marmoratus.

ım. *Pallide flavus; thorax nigro bivittatus; abdomen maculis nigris; tarsi antici nigri; alæ albidæ, fascia fusca limpido maculata.*

— ——— *Geoff. Ins.* ii. 464, 11.
ınus marmoratus, *Rossi, Faun. Etrusc.* ii. 1552.
ınus flavipes, *Meig. Klass. Zweifl.* i. 159, 3, pl. 9, f. 13.
ısops marmoratus, *Meig. Zweifl.* ii. 73, 8.

11. Chrysops italicus.

Cæsus; thorax nigro trivittatus; abdomen maculis nigris; tibiæ anticæ basi, posteriores omnino fulvæ; alarum fasciæ maculæ fenestrata.

Chrysops italicus, *Meig.*

12. Chrysops pallidus.

Fœm. *Fulva; thorax vittis duabus fuscis; abdominis incisuræ fuscæ; alæ basi costa fascia apiceque fuscanis.*

Chrysops pallida, *Macq. Dipt. Exot.* i. 1, 162, 11.

Allied to *C. marmoratus.*

France?

13. Chrysops singularis.

Cinereus; antennæ et pedes fulva; thorax nigro trivittatus; abdomen nigro fasciatum; alæ subfuscescentes, immaculatæ.

Chrysops singularis, *Meig. Zweifl.* vii. 60, 12.

Bavaria.

14. Chrysops vitripennis.

Cinereus; thorax vittis tribus nigricantibus; abdominis latera antica fusco maculata; tibiæ fulvæ, apice fuscæ; alæ hyalinæ.

Chrysops vitripennis, *Meig. Zweifl.* ii. 74, 11.

North America.

15. Chrysops areolatus.

Chrysops areolatus, *Cat. of Diptera*, Pt. 1, 197.

16. Chrysops canifrons.

Chrysops canifrons, *Cat. of Diptera*, Pt. 1, 197.

17. CHRYSOPS APPROXIMANS.

ximans, *Cat. of Diptera*, Pt. 1, 198.

18. CHRYSOPS FURCATUS.

tus, *Cat. of Diptera*, Pt. 1, 199.

19. CHRYSOPS MŒRENS.

rens, *Cat. of Diptera*, Pt. 1, 201.

20. CHRYSOPS CARBONARIUS.

rbonarius, *Cat. of Diptera*, Pt. 1, 203.

21. CHRYSOPS DIVISUS.

livisus, *Cat. of Diptera*, Pt. 1, 204.

22. CHRYSOPS EXCITANS.

excitans, *Diptera Saundersiana*, Pt. 1, 72.

23. CHRYSOPS PROVOCANS.

s provocans, *Diptera Saundersiana*, Pt. 1, 73.

pus nigrum.
læ nigræ, fusco notatæ. - - - plangens, *Wied.*
læ fuscæ limpido notatæ.
Thorax non vittatus.
a. Abdomen non maculatum - - fuliginosus, *Wied.*
b. Abdomen flavo maculatum. - trinotatus, *Macq.*
. Thorax flavo bivittatus. - - - lugens, *Wied.*
Alæ hyalinæ, fusco notatæ.
A. Pedes nigri. - - - - - - niger, *Macq.*
B. Pedes fulvi. - - - - - fascipennis, *Macq.*

B. Corpus canescens. - - - - - quadrivittatus, Sa
C. Corpus fuscum. - - - - - - obsoletus, Wie
D. Corpus flavum.
A. Thorax fusco trivittatus. - - - flavidus, Wie
B. Thorax fusco bivittatus. - - - - vittatus, Wie

24. Chrysops plangens.

Niger, cano hirtus; alæ costa, fascia apiceque dilutissime fusc.

Chrysops plangens, *Wied.*

25. Chrysops fuliginosus.

Niger, fuliginoso hirtus; alæ fuscæ, fascia abbreviata lunula apiculi limpidis.

Chrysops fuliginosus, *Wied.*

26. Chrysops trinotatus.

Fœm. *Niger; antennæ basi pedesque fulva; abdomen ni tribus flavis; alæ fuscæ, margine postico fasciaque trans arcuata hyalinis.*

Chrysops trinotata, *Macq. Dipt. Exot.* i. 1, 161, 9.

Philadelphia.

27. Chrysops lugens.

Niger; thorax flavo bivittatus; alæ lunula et macula parva pidis.

Chrysops lugens, *Wied. Dipt. Exot.* i. 109, 12; *Aust. Zool* 212, 26.

United States.

28. Chrysops niger.

Fœm. *Niger; antennæ nonnunquam basi fulvæ; alæ hy costa fasciaque trigona fuscis.*

Chrysops nigra, *Macq. Dipt. Exot.* i. 1, 161, 10.

North America.

29. Chrysops fascipennis.

Niger; antennæ fulvæ; thorax lateribus fulvis; abdomen fulvum, nigro bivittatum; pedes fulvi; alæ hyalinæ, costa fascia apiceque fuscis.

Chrysops fascipennis, *Macq. Hist. Nat. Dipt.* i. 21, 6, 7.

Philadelphia.

30. Chrysops quadrivittatus.

Canescens; thorax nigro quadrivittatus; abdomen e maculis fuscis quadrivittatum; pedes flavo-fusci; alæ limpidæ, fusco punctatæ.

Chrysops quadrivittatus, *Say, Journ. Acad. Philad.* iii. 1822, 33, 1. *Wied. Auss. Zweifl.* i. 200, 9.

Pennsylvania.

31. Chrysops obsoletus.

Fuscus; antennæ flavæ, apice nigro-fuscæ; pedes flavi, tibiis anticis et posticis fuscis; alæ hyalinæ costa fascia apiceque fuscis; mas *thorax et abdomen absque vittis;* fœm. *thorax flavo quadrivittatus; abdomen vitta abbreviata, utrinque macula longitudinali flavis.*

Chrysops obsoletus, *Wied. Dipt. Exot.* i. 108, 10; *Auss. Zweifl.* i. 211, 25.

North America.

32. Chrysops flavidus.

Flavidus; antennæ apice nigræ; thorax vittis tribus, abdomen maculis duabus antice conjunctis, fuscis; alæ limpidæ, costa ante apicali fasciaque lata fuscis.

Chrysops flavidus, *Wied. Dipt. Exot.* i. 105, 5; *Auss. Zweifl.* i. 199, 7.

United States.

33. Chrysops vittatus.

Flavus; antennæ apice fuscæ; thorax fusco bivittatus; abdomen fusco quadrivittatum; alæ limpidæ, costa fascia cum fuscis.

Chrysops vittatus, *Wied.*

West Indies.

34. Chrysops frontalis.

Mas. *Niger; pedes fulvi, femoribus nigris, tibiis anticis fuscis; alæ fuscæ, maculis quatuor albidis.*

Chrysops frontalis, *Macq. Dipt. Exot.* i. 1, 160, 7.

St. Domingo.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

35. Chrysops convergens.

Chrysops convergens, *Cat. of Diptera*, Pt. 1, 198.

36. Chrysops inornatus.

Chrysops inornatus, *Cat. of Diptera*, Pt. 1, 199.

South America.

A. Corpus nigrum aut nigro-fuscum.
- *A.* Alæ nigræ, maculis sublimpidis. - - tardus, Wa
- *A.* Alæ fuscæ limpido notatæ. - - - lugubris, Ma
- *B.* Alæ limpidæ aut subcinereæ, fusco notatæ.
  - A. Thorax non vittatus.
    - *a.* Abdomen maculis flavis. - - - incisus, Ma
    - *b.* Abdomen marginibus posticis testaceis. fulviceps, Wa
    - *c.* Abdomen maculis albis.
      - i. Alæ basi nigræ. - - - - leucospilus, Wa
      - ii. Alæ basi limpidæ. - - - guttula, Wa
  - B. Thorax bivittatus. - - - - lateralis, Wa
  - C. Thorax quadrivittatus. - - - - latus, Wa
  - D. Thorax quinquevittatus.
    - *a.* Alæ basi fuscæ. - - - - trifaria, Ma
    - *b.* Alæ basi limpidæ. - - - - varians, Wa
    - *c.* Alæ limpidæ. - - - - bimaculatus, Wa

B. Corpus fuscum.
A. Abdomen flavo maculatum. - - - crucians, *Wied.*
B. Abdomen albido maculatum. - - - tristis, *Fabr.*
C. Corpus glaucum. - - - - - afflictus, *Wied.*
D. Corpus flavum.
A. Alæ fuscæ, limpido notatæ. - - - molestus, *Wied.*
B. Alæ limpidæ, fusco notatæ.
A. Alæ fascia fusca. - - - - - costatus, *Fabr.*
B. Alæ apice fuscæ. - - - - varipes, *Walk.*

37. Chrysops tardus.

Niger; antennæ fuscescentes; thorax luteo quadrivittatus; abdomen incisuris, maculis quadratis et trigonis luteis; alæ nigræ, maculis tribus apiceque sublimpidis.

Chrysops tardus, *Wied. Auss. Zweifl.* i. 577, 8.

Brazil.

38. Chrysops lugubris.

Fœm. *Nigro-fuscus; antennæ pedesque nigra; alæ fuscæ, maculis pallidis.*

Chrysops lugubris, *Macq. Dipt. Exot. Suppl.* 1, 44, 14, pl. 4, f. 11.

Brazil.

39. Chrysops incisus.

Fœm. *Niger; antennæ basi apiceque fulvæ; abdomen maculis dorsalibus lateralibusque flavis; alæ basi, costa fasciaque fuscis.*

Chrysops incisus, *Macq. Dipt. Exot. Suppl.* 1, 44, 15, pl. 4, f. 12.

New Grenada. Temperate Region.

40. Chrysops fulviceps.

Fœm. *Niger; caput fulvum; palpi testacei; antennæ ferrugineæ, basi fulvæ, apice nigræ; abdominis segmenta marginibus posticis testaceis; pedes fulvi, tarsis fuscis; alæ subcinereæ, vitta costali fasciaque lata postice furcata nigro-fuscis.*

Female. Black. Head tawny; vertex piceous. Palpi testaceous. Antennæ ferruginous, tawny at the base, black towards the tips. Hind borders of the abdominal segments testaceous. Legs tawny; tarsi brown. Wings very slightly gray, dark brown along the fore border and with a very broad dark brown band which is furcate towards the hind border; first branch of the cubital vein simple, slightly curved and not angular near the base; subanal vein joining the anal on the border. Length of the body 2¼ lines; of the wings 6 lines.

a. Parà. From Mr. Bates' collection.

41. Chrysops leucospilus.

Niger; antennæ flavæ apice fuscæ; abdomen basi utrinque maculâ magnâ, medio quatuor trigonis albis; alæ hyalinæ costâ fasciaque nigris.

Chrysops leucospilus, *Wied. Auss. Zweifl.* i. 202, 12.

Brazil.

♀.

42. Chrysops guttula.

Niger; abdomen maculâ utrinque baseos trigonâ, guttisque albis; pedes fusci; alæ limpidæ, costa fasciaque nigra.

Chrysops guttula, *Wied. Auss. Zweifl.* i. 203, 13.

Brazil.

43. Chrysops lateralis.

Niger; antennæ flavæ, apice fuscæ; thorax albido bivittatus; abdomen incisuris, maculis mediis trigonis et utrinque maculâ laterali flavis; alæ limpidæ, costa fasciaque fuscis.

Chrysops lateralis, *Wied.*

South America.

44. Chrysops lætus.

Niger; caput flavum; antennæ flavæ, apice nigræ; thorax quadrivittatus; abdomen vittâ maculari incisurisque fuscis; alæ hyalinæ, basi costâ, fasciaque fuscis.

rysops lætus, *Fabr. Syst. Antl.* 112, 7. *Wied. Dipt. Exot.* i. 108, 9; *Auss. Zweifl.* i. 207, 19.

uth America.

45. CHRYSOPS TRIFARIA.

Niger; antennæ basi pedesque fulva; thorax lineis quinque flavis; abdomen trifariam flavo maculatum; alæ basi costa fasciaque fuscis.

ırysops trifaria, *Macq. Dipt. Exot.* i. 1, 159, 6.

ıili.

46. CHRYSOPS VARIANS.

Nigellus; antennæ flavæ, apice fuscæ; thorax albido quinquevittatus; abdomen nigro-fuscum, vitta incisuris maculisque segmenti secundi flavis; alæ limpidæ, costa fasciaque lata fuscis.

hrysops varians, *Wied. Auss. Zweifl.* i. 208, 20.

razil.

47. CHRYSOPS BIMACULATUS.

Nigellus; antennæ flavæ, apice fuscæ; thorax flavo limbatus; abdomen luteum, basi maculis duabus fuscis; pedes flavi, tibiis anticis posticisque fuscis; alæ limpidæ.

hrysops bimaculatus, *Wied. Auss. Zweifl.* i. 201, 10.
ar. Chrysops immaculatus, *Wied. Auss. Zweifl.* i. 202, 11.

razil.

48. CHRYSOPS CRUCIANS.

Fuscus; antennæ flavæ, apice fuscæ; thorax vittis glaucis; abdomen T *magno maculisque versus apicem flavis; pedes flavescentes, tibiis anticis posticisque piceis; alæ basi, costa, fascia incisa, apiceque fuscis.*

hrysops crucians, *Wied. Auss. Zweifl.* i. 211, 24.

razil.

South America. From Mr. Saunders' collection.

49. Chrysops tristis.

Fuscus; thorax albido lineatus; abdomen albido maculatum; a hyalinæ, basi costa fasciaque abbreviata fuscis.

Tabanus tristis, *Fabr. Ent. Syst. Suppl.* 567, 44.
Chrysops tristis, *Fabr. Syst. Antl.* 112, 6. *Wied. Dipt. Ex.* 103, 2; *Auss. Zweifl.* i. 197, 4.

Cayenne.

50. Chrysops afflictus.

Glaucus; antennæ flavæ, apice nigræ; thorax vittis tribus busque silaceis; abdomen melleum, maculis geminis bas marginibus lateralibus fuscis; femora flava; tibiæ ant antice albidæ; alæ hyalinæ, apice lituraque media fusca.

Chrysops afflictus, *Wied. Auss. Zweifl.* i. 204, 15.

Brazil.

51. Chrysops molestus.

Flavus; antennæ apice fuscæ; thorax fusco trivittatus; abd fuscum, basi vitta media vittulisque duabus posticis fus alæ fuscæ, macula majore et tribus minoribus limpidis.

Chrysops molestus, *Wied. Auss. Zweifl.* i. 205, 17. *Guér. Règne Anim.* pl. 97, f. 3.

Brazil.

52. Chrysops costatus.

Silaceus; antennæ obscuriores; thorax vittis tribus, abdomen bus, his apice bipartitis, fuscis; alæ fascia fusca, ma excisuraque limpidis.

Tabanus costatus, *Fabr. Ent. Syst.* iv. 373, 45.
Chrysops bifasciata, *Macq.*
Chrysops costata, *Macq. Dipt. Exot.* i. 1, 160, 8.
Chrysops molestus, Var.? *Guér. Icon. Règne Anim. Texte* 541.

South America. Jamaica. Cuba.

53. Chrysops varipes.

m. *Aurato-flavus; palpi testacei; antennæ fulvæ apice fuscæ; thorax nigro quadrivittatus; scutellum piceum; abdomen testaceum, vitta dorsali flava, apice fuscum; pedes fulvi, tibiis tarsisque posterioribus basi albidis, tibiis tarsisque anticis nigris, alæ sublimpidæ, antice fulvæ, apice fuscæ.*

Fem. Gilded yellow. Head with a small black callus in , and a larger one beneath the antennæ. Eyes somewhat us. Proboscis piceous. Palpi testaceous. Antennæ tawny, n towards the tips. Thorax with four shining black stripes, wo on each side united hindward. Scutellum piceous. Ab- en testaceous, with a yellow dorsal stripe, brown towards the tip. tawny; posterior tibiæ and tarsi whitish towards the base; tibiæ and tarsi black. Wings nearly limpid, tawny in front, n at the tips and about the median veinlets; first fork of the al vein simple, curved and not angular near the base; subanal joining the anal close to the border. Halteres testaceous. gth of the body 4 lines; of the wings 8 lines.

arà. From Mr. Bates' collection.

Africa.

54. Chrysops tarsalis.

'sops tarsalis, *Cat. of Diptera*, Pt. 1, 200.

55. Chrysops calidus.

ysops calidus, *Cat. of Diptera*, Pt. 1, 205.

Abdomen nigrum. - - - oblique-fasciatus, *Macq.*
Abdomen fuscum. - - - - - Natalis, *Macq.*
Abdomen rufum. - - - - - longicornis, *Macq.*

56. Chrysops oblique-fasciatus.

Fœm. *Niger; pedes rufi; alæ subflavæ, costa fasciaque obliqua fuscis.*

ysops oblique-fasciata, *Macq. Dipt. Exot.* i. 1, 157, 2.

pe.

57. Chrysops Natalis.

Fœm. *Niger; thorax lineis albis; abdomen fuscum; pedes fu[illegible] alæ flavidæ, costa, fascia vittaque fuscis.*

Chrysops Natalis, *Macq. Dipt. Exot. Suppl.* 1, 43, 12.

Port Natal.

58. Chrysops longicornis.

Fœm. *Niger; antennæ longæ, basi rufæ; abdomen rufum, m[illegible] cula nigra cordiformi; femora flava, tibiæ fuscæ; ala[illegible] linæ, costa fasciaque fuscis.*

Chrysops longicornis, *Macq. Dipt. Exot.* i. 1, 156, 1, pl. 19, f[illegible]

Senegal.

a. Port Natal. From M. Gueinzius' collection.

Asia.

59. Chrysops ligatus.

Chrysops ligatus, *Cat. of Diptera*, Pt. 1, 195.

60. Chrysops terminalis.

Chrysops terminalis, *Cat. of Diptera*, Pt. 1, 195.

61. Chrysops semicirculus.

Chrysops semicirculus, *Cat. of Diptera*, Pt. 1, 196.

62. Chrysops stimulans.

Chrysops stimulans, *Diptera Saundersiana*, Pt. 1, 73.

a. East Indies. From Mr. Saunders' collection.

›domen totum nigrum. . - - - Japonicus, *Wied.*
bdomen nigrum, ex parte pallidum.
Abdomen segmento 2o basi albo pellucido. pellucidus, *Fabr.*
Abdomen segmentis 1o et 2o basi albo pellucidis.
translucens, *Macq.*
Abdomen basi album, apice ochraceum. fasciatus, *Wied.*
bdomen ferrugineum, fusco bimaculatum, basi pallidum.
dispar, *Fabr.*
bdomen flavum, macula apiceque nigris. flaviventris, *Macq.*
bdomen albidum, basi apiceque nigris. rufitarsis, *Macq.*

63. Chrysops Japonicus.

thracinus, nitens; alæ hyalinæ, costa late, macula magna trigona limboque venæ penultimæ nigris.

sops Japonicus, *Wied. Aus. Zweifl.* i. 203, 14.

n.

64. Chrysops pellucidus.

ger; abdominis segmentum secundum basi albo pellucidum; alæ fascia nigra, ad marginem internum excisa.

sops pellucidus, *Fabr.*

65. Chrysops translucens.

iger; abdominis segmenta 1um 2umque basi albo pellucida; femora fusca, subtus tarsique fulva; alæ hyalinæ, fascia nigra ad marginem internum excisa.

sops translucens, *Macq. Dipt. Exot.* i. 1, 158, 4.

Nearly allied to *C. pellucidus*, Fabr.

66. Chrysops fasciatus.

Iiger; antennæ fuscæ, apice nigræ; abdomen basi album, apice ochraceum; pedes fusci; alæ limpidæ, basi costa fasciaque fuscis.

sops fasciatus, *Wied.*

67. Chrysops dispar.

Nigellus; antennæ ferrugineæ, apice nigro-fuscæ; thorax glau vittatus, lateribus flavis; antennæ testaceæ, apice fusce; a domen ferrugineum, basi pallidum, maculis duabus ant conjunctis fuscis; pedes fulvi; alæ limpidæ, costa fascia fuscis.

Chrysops dispar, *Fabr. Macq. Dipt. Exot.* i. 1, 159, 5; Sup 3, 14.

68. Chrysops flaviventris.

Fœm. *Niger; abdomen flavum macula apiceque nigris; pe fulvi, femoribus fuscis; alæ costa fasciaque fuscanis.*

Chrysops flaviventris, *Macq. Dipt. Exot. Suppl.* 1, 44, 13.

Hindostan.

Allied to *C. translucens.*

69. Chrysops rufitarsis.

Mas. *Niger; abdomen albidum, basi apiceque nigrum; posteriores fulvi; alæ basi, costa fasciaque fuscis.*

Chrysops rufitarsis, *Macq. Dipt. Exot. Suppl.* 3, 14, 16.

Java.

New Holland.

70. Chrysops subcanus.

Chrysops subcanus, *Cat. of Diptera*, Pt. 1, 204.

Country unknown.

71. Chrysops cincticornis.

Chrysops cincticornis, *Cat. of Diptera*, Pt. 1, 201.

72. Chrysops crudelis.

Niger; thoracis latera flava; abdominis latera basi flava; alæ hyalinæ, costa fascia apiceque nigris.

rsops crudelis, *Wied. Auss. Zweifl.* i. 195, 2.

73. Chrysops geminatus.

Nigellus; antennæ fuscæ, basi flavæ; thorax vittis duabus flavidis; abdomen flavum, maculis duabus obliquis baseos et utrinque binis conjunctis segmentorum sequentium nigris; pedes flavi, fusco varii; alæ limpidæ, costa fascia apiceque fuscis.

ysops geminatus, *Wied.*

Genus 15. GASTROXIDES.

Corpus mediocre, pubescens, oblongum, sat latum. Proboscis is. Antennæ 7-articulatæ, cylindricæ; articuli 1us et 2us hirti, ales. Abdomen depressum, fœminæ apice compressum.

troxides, *Saunders.*

Mediastinal vein ending at much before two-thirds of the th of the wing. Subcostal ending at before three-fourths of the th. Radial ending at nearer the tip of the wing than to the costal. First branch of the cubital simple, very slightly curved, ing a very obtuse and rounded angle near its base; second ich nearly straight, ending on the hind border far from the tip he wing. Four complete separate externo-medial veins. Sub- l vein united to the anal on the border. Discal areolet elongated, agonal; fore and hind sides parallel.

1. Gastroxides ater.

Atra; abdomen maris *fulvo late fasciatum; alæ nigro-fuscæ, fasciis duabus abbreviatis albis, margine postico cinereo.*

troxides ater, *Saunders.*

From Mr. Saunders' collection.

Genus 16. HÆMATOPOTA.

Corpus mediocre, lineare, pubescens. Ocelli nulli. Antennæ 6-articulatæ, lanceolatæ, subretusæ; articulus 1us cylindricus, sat longus; 2us brevis, cyathiformis. Alæ parallelæ, deflexæ.

Hæmatopota, *Meig. Klass.* i. 162; *Fabr.*; *Latr.*; *Fall.*; *Meig.*; *Macq.*; *Zett.*
Tabanus, p., *Linn.*; *Fabr. Ent. Syst.*; *Gmel.*; *Schr.*; *Panz.*

Mediastinal vein ending at beyond half the length of the wing. Subcostal ending at a little beyond two-thirds of the length. Radial ending much nearer to the tip of the wing than to the subcostal. First branch of the cubital forked, very slightly curved, forming a slightly obtuse and not rounded angle near its base; hind branch straight, ending on the hind border at some distance from the tip. Four complete separate externo-medial veins. Subanal vein united to the anal close to the border. Discal areolet elongated, rather narrow, hexagonal; hind apical side full thrice the length of the fore apical side.

Europe.

1. Hæmatopota pluvialis.

Nigra (mas) *aut fusca* (fœm.); *caput canum*; *thorax* fœminæ *cinereo trivittatus*; *abdomen* maris *lateribus nonnunquam fulvis*, fœminæ *maculis cinereis trivittatum segmentorum marginibus posticis canis*; *tibiæ posteriores fulvæ*, *nigro bicinctæ*; *alæ cinereæ confertim albido subocellatæ.*

Tabanus pluvialis, *Linn.*
Hæmatopota pluvialis, *Fabr. Dahlb. Ins. Skad. och Nytt.* 307, 205. *Zell. Isis*, 1840, 520, 1.
Hæmatopota equorum, *Fabr.*
Var. Hæmatopota tenuicornis, *Macq.*
Var. Hæmatopota grandis, *Meig.*
Var. Hæmatopota longicornis, *Macq.*
Var. Hæmatopota elongata, *Lep. de St. Farg. et Serv. Encycl. Macq. Hist. Nat. Dipt.* i. 211, 5.
Var.? Hæmatopota variegata, *Fabr. Macq. Hist. Nat. Dipt.* i. 211, 6.
Var.? Hæmatopota lusitanica, *Guér. Icon. Règne Anim. Ins.* pl. 97, f. 4. *Texte* 542.

Var.? Hæmatopota gymnonota, *Brullé*, *Exped. Scient. de Morée*, 3*me Sér. Zool. Atlas*, pl. 47, f. 4.

—*f*. England. From Mr. Stephens' collection.

North America.

2. HÆMATOPOTA PUNCTULATA.

Fœm. *Nigra; abdominis incisuræ albæ; tibiæ albo annulatæ; alæ fuscæ, albo punctatæ.*

Hæmatopota punctulata, *Macq. Dipt. Exot.* i. 1, 163, 2.

Carolina.

South America.

3. HÆMATOPOTA COARCTATA.

Nigra; abdomen basi coarctatum, fascia fusca albo limbata; alæ flavescentes, ad costam fuscanæ.

Hæmatopota coarctata, *Wied. Auss. Zweifl.* i. 578, 9.

Acanthocera?

Brazil.

4. HÆMATOPOTA EXSTINCTA.

Nigra; thorax aurato lineatus; abdomen aurato fasciatum; alæ limpidæ, ad costam fuscanæ.

Hæmatopota exstincta, *Wied. Auss. Zweifl.* i. 214, 2.

Brazil.

Africa.

A. Alæ strigis limpidis. - - - - imbrium, *Wied.*
B. Alæ maculis limpidis.
A. Antennæ fuscæ. - - - - - ocellata, *Wied.*
B. Antennæ fulvæ, apice nigræ. - - ruficornis, *Macq.*
C. Alæ strigis flavicantibus. - - - - variegata, *Fabr.*
D. Alæ albidæ. - - - - - - lunata, *Fabr.*

5. HÆMATOPOTA IMBRIUM.

Fusca; thorax antice vittis postice maculis, scutellum, abdomen maculis trigonis lateralibusque rotundatis albidis; alæ fuscanæ, strigis albis anguloso arcuatis.

Hæmatopota imbrium, *Wied.*

6. Hæmatopota ocellata.

Cinereo-nigella; thorax vittis, abdomen maculis albis; alæ fuscæ, ocellis pluribus albidis.

Hæmatopota ocellata, *Wied. Zool. Mag.* iii. 38, 56; *Dipt. Exot.* 100, 6; *Auss. Zweifl.* i. 217, 6.

Cape.

7. Hæmatopota ruficornis.

Mas. *Nigricans; antennæ fulvæ, apice nigræ; thorax lineis; abdomen vittis duabus albidis; pedes fulvi, tibiis posticis albis bifasciatis; alæ cinereæ, maculis albidis.*

Hæmatopota ruficornis, *Macq. Dipt. Exot. Suppl.* 1, 45, 3.

Port Natal.

8. Hæmatopota variegata.

Nigricans; antennæ basi flavicantes; thorax vittis cinereis; abdomen flavicans, fasciis emarginatis nigris; pedes flavi; tarsis fuscis; alæ strigis flavicantibus.

Hæmatopota variegata, *Fabr. Syst. Antl.* 109, 6. *Meig. Zost.* ii. 81, 3.

Morocco.

9. Hæmatopota lunata.

Nigra; thorax albo lineatus; abdomen cinereum, lunulis quinquefariis nigris; pedes testacei, femoribus nigris; alæ albidæ.

Tabanus lunatus, *Fabr. Ent. Syst.* iv. 370, 34.
Hæmatopota lunata, *Fabr. Syst. Antl.* 109, 7.

Barbary.

Asia.

10. Hæmatopota cana.

Hæmatopota cana, *Cat. of Diptera*, Pt. 1, 207.

Alæ fascia plagisque duabus limpidis. - cingulata, *Wied.*
Alæ guttis limpidis.
A. Corpus nigrum aut fuscum.
A. Thorax vittatus. - - - - - roralis, *Fabr.*
B. Thorax non vittatus.
a. Pedes obscuri. - - - - Javana, *Wied.*
b. Pedes fulvi. - - - - lunulata, *Macq.*
B. Corpus pallidum. - - - - irrorata, *Macq.*

11. Hæmatopota cingulata.

Fusca; antennæ flavæ, apice fuscæ; thorax vitta lata flavida; abdomen nigellum, incisuris albidis; tibiæ basi albæ; alæ basi fascia plagisque duabus incurvis limpidis.

Hæmatopota cingulata, *Wied. Auss. Zweifl.* i. 216, 5.

Java.

12. Hæmatopota roralis.

Fusco-cinerascens; antennæ flavæ; thorax et abdomen albido vittata; alæ limpido guttulatæ.

Hæmatopota roralis, *Fabr.*

13. Hæmatopota Javana.

Alæ infumatæ albido pictæ. Mas.—*Thorax margine postico scutelloque, abdomen incisuris albidis.* Fœm.—*Subcinereo-fuscana; abdomen vitta maculari albida, incisuris subrubidis, femora subrubida.*

Hæmatopota Javana, *Wied.*

14. Hæmatopota lunulata.

Fœm. *Nigra; antennæ basi pedesque fulva, femora fusco-fulva; tibiæ albidæ; alæ fuscæ, albo punctatæ, lunula alba.*

Hæmatopota lunulata, *Macq. Dipt. Exot. Suppl.* 3, 15, 4.

Java.

15. HÆMATOPOTA IRRORATA

Fœm. *Fulva; antennæ articulo 1o elongato cylindrico; tibiis albo annulatæ; alæ rufo-fuscæ, albo punctatæ.*

Hæmatopota irrorata, *Macq. Dipt. Exot.* i. 1, 163, 1, pl. 19, f. 3

Java.

Country unknown.

16. HÆMATOPOTA CONCENTRALIS.

Hæmatopota concentralis, *Cat. of Diptera*, Pt. 1, 207.

17. HÆMATOPOTA SERPENTINA.

Fusca; antennæ longitudine mediocres; thorax albido trivittatus; abdomen nigellum; vitta, maculis incisurisque albidis; alæ fuscæ, guttulis strigisque serpentinis albis.

Hæmatopota serpentina, *Wied. Aus. Zweifl.* i. 219, 8.

Genus 17. HEXATOMA.

Corpus lineare. Caput breve. Oculi sat magni. Ocelli [illegible] Proboscis brevis. Antennæ filiformes, thorace paullo brevi[illegible] articulus 1us longus; 2us mediocris; 3us longissimus; 4us et [illegible] mediocres; 6us paullo longior. Thorax pubescens. Alæ [illegible] gustæ. Abdominis segmenta 1um et 2um pubescentia. Ta[illegible] posticæ subciliatæ.

Hexatoma, *Meig. Zweifl.; Macq.; Blanch; Gim.*
Tabanus, p., *Fabr. Ent. Syst.; Schr.; Gmel.; Meig. Klass.*
Heptatoma, p., *Fabr. Syst. Antl.; Meig. Klass.; Latr.*

Mediastinal vein ending at beyond half the length of the wi[illegible] Subcostal ending at about three-fourths of the length. Radial [illegible] ing at about half the distance between the tip of the wing and [illegible] subcostal. First branch of the cubital very slightly curved, form[illegible] an obtuse and rounded angle near its base; second branch sli[illegible]

ırved, ending on the hind border far from the tip of the wing. our complete separate externo-medial veins. Subanal vein united › the anal at some distance from the border. Discal areolet elonated, hexagonal.

1. Hexatoma bimaculata.

Nigra; abdomen basi glaucescens; tibiæ albæ; alæ hyalinæ.

Iexatoma bimaculata, *Meig.*

:. Interlacken, Switzerland. Presented by F. Walker, Esq.

Genus 18. RHAPHIORHYNCHUS.

Caput depressum, thorace angustius. Epistoma referens processum subulatum, acutum, apice oblique deorsum directum. Ocelli tres. Proboscis retracta, capitulo parvo compresso, inter palporum basim conspicua. Palpi exserti, basi approximati, apice divergentes biarticulati; articulus 1us brevissimus; 2us quadruplo longior, crassus, subfusiformis, apice paulum incurvus. Antennæ approximatæ, porrectæ; articulus 1us perbrevis, subcylindricus; 2us brevissimus, cyathiformis.

Rhaphiorhynchus, *Wied. Dipt. Exot.* i. 60.

1. Rhaphiorhynchus planiventris.

Sordide lilacinus; thorax fusco trivittatus; abdomen ferrugineum, fusco limbatum; tibiæ flavæ; alæ flavescentes.

Rhaphiorhynchus planiventris, *Wied. Dipt. Exot.* i. 60, 1; *Auss. Zweifl.* ii. 106, 6. *Macq. Dipt. Exot.* i. 1, 170, 1, pl. 20 f. 2.

Brazil.

Genus 19. ACANTHOMERA.

Caput mediocre, crassum, thoracis latitudine. Facies utrinque sulco profundo, tuberculo subconico medio. Ocelli tres. Proboscis retracta, parva. Palpi exserti, biarticulati, pilosi; articulus 1us cylindricus; 2us subulatus, 1o æqualis. Antennæ

porrectæ, basi approximatæ. Femora postica subtus unispinosa. Alæ divaricatæ.

Acanthomera, *Wied. Dipt. Exot.* i. 61; *Auss. Zweifl.* i. 107.

Costal vein ending at the tip of the wing. Mediastinal end[illegible] at a little before three-fourths of the length. Subcostal ending a[illegible] little beyond three-fourths of the length. Radial ending at abo[illegible] five-sixths of the length. Fore fork of the cubital undulating, en[illegible]ing at some distance in front of the tip of the wing; hind fork en[illegible] at far behind the tip of the wing. First and second submarg[illegible] veins separate, converging towards the border; third and fo[illegible] united at some distance from the border. Subanal and anal ve[illegible] united near the border. Discal areolet hexagonal, broadest a[illegible] basal end.

West Indies.

1. Acanthomera tabanina.

Ferrugineus; thorax nigro quinquevittatus; abdomen fu[illegible] marginibus lateralibus baseos nigris; alæ pallide ferru[illegible] maculis obscurioribus.

Pantophthalmus tabaninus, *Thunberg, Act. Soc. Gothobur[illegible]* 111, 7, pl. 7, f. 2.
Acanthomera tabanina, *Wied. Auss. Zweifl.* i. 110, 4.

South America.

2. Acanthomera magnifica.

Acanthomera magnifica, *Diptera Saundersiana*, Pt. 1, 74, p[illegible] f. 1.

A. Abdomen nigrum.
  A. Thorax flavo vittatus. - - - - Heydenii, *Wi[illegible]*
  B. Thorax non vittatus. - - - - picta, *Wi[illegible]*
B. Abdomen fuscum aut pallidum.
  A. Abdomen albo notatum.
    A. Thorax rubido-fuscus. - - - seticornis, *Wi[illegible]*
    B. Thorax glaucescente-cinereus. - - flavipes, *Ma[illegible]*
    C. Thorax cacaino fuscus. - - - immains, *Wi[illegible]*
  B. Abdomen albo non notatum.
    A. Abdomen vitta nigra. - - - vittata, *Wi[illegible]*
    B. Abdomen nigro marginatum. - - crassipalpus, *Ma[illegible]*

3. Acanthomera Heydenii.

usca; antennæ nigro-fuscæ; thorax vitta flavida; abdomen atrum utrinque punctis binis niveis; tarsi postici basi flavescentes; alæ fuscescentes venis flavo limbatis.

thomera Heydenii, *Wied.*

4. Acanthomera picta.

anescens; abdomen nigrum, punctis utrinque binis albis; alæ fuscano variegatæ.

ıthomera picta, *Wied.*

il.

5. Acanthomera seticornis.

ubido-fusca; thorax vittis tribus nigro-fuscis; abdomen ferrugineum, utrinque punctis duobus albis; alæ fuscanæ, venis limpido limbatis.

ıthomera seticornis, *Wied.*

il. Guatimala.

6. Acanthomera flavipes.

œm. *Glaucescente-cinerea; thorax vittis tribus, punctisque quatuor fuscis; abdomen fuscum, albo notatum; femora nigra; tibiæ flavæ, anticæ fuscæ; alæ fuscæ, venis flavo limbatis.*

ıthomera flavipes, *Macq. Dipt. Exot. Suppl.* 2, 26, 4.

il.

7. Acanthomera immanis.

acaina; thorax vittis binis flavidis; abdomen ferrugineum, segmentis ad margines posticos cacaino-fuscis, 2o 3oque utrinque albo uniguttatis; alæ fuscæ, venis flavo limbatis.

ıthomera immanis, *Wied.* *Westw. Duncan, Nat. Libr.* i. 331, pl. 35, f. 2.

nam.

8. Acanthomera vittata.

Glaucescente-cinerea; thorax vittis tribus punctisque quatuor fuscis; abdomen ferrugineum, vitta nigra; pedes maris *ferruginei,* fœm. *fuscescentes; alæ fuscescentes, albido varie.*

Acanthomera vittata, *Wied.*

Brazil.

9. Acanthomera crassipalpus.

Cæsia; palpi crassi; thorax vittis nigris; abdomen testaceum nigro marginatum; pedes flavi, tibiis posticis femoribusque nigris; alæ fuscæ, venis flavo limbatis.

Acanthomera crassipalpus, *Macq. Dipt. Exot. Suppl.* 2, 27, 5, pl. f. 3.

Guatimala.

ADDENDA.

Page 5.

PTILOCERA SMARAGDINA.

This may be a variety of the female of *P. quadridentata*.

a. Ceylon. Presented by R. Templeton, Esq.

Page 16.

CYPHOMYIA LEUCOCEPHALA.

a. Brazil. From Mr. Stephens' collection.

CYPHOMYIA ALBITARSIS.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

Page 17.

CYPHOMYIA FASCIPES.

Fœm. Head pale testaceous, with white down. Thorax with three stripes of white tomentum. Pectus clothed with white tomentum and down. Abdomen with marginal silvery white tomentose spots. Legs black; tarsi white, black towards the tips.

a. Tapayos, Brazil. From Mr. Bates' collection.

Fem. General structure like that of *Stratiomys*. Head conical and much elongated in front. Antennæ 6-jointed, as long as the head, almost contiguous at the base; first joint compressed, almost round; second short; third and three following joints linear, cylindrical, closely connected; fourth shorter than the third; fifth much longer than the third; sixth as long as the fourth. Thorax much longer than broad, slightly convex. Scutellum armed with two spines. Abdomen elliptical, depressed, broader and a little longer than the thorax. Legs moderately long. Structure of the veins like that of *Stratiomys*; first branch of the cubital vein indistinct; discal areolet hexagonal.

1. Promeranisa vittata.

Fœm. *Pomacea; vertex et antennæ nigra, harum articulus 3us fulvus; thorax cupreo trivittatus; scutelli spinæ fulvæ; pectus vittis duabus mediis maculisque duabus lateralibus fuscis; abdomen supra nigrum, disco antice viridi postice fuscum; pedes fulvi, femoribus, tibiis tarsisque apice nigricantibus; alæ cinereæ, ad costam fuscæ.*

Fem. Apple-green. Head black above in front of the eyes; vertex partly brown in front and behind. Proboscis black; antennæ black; second joint tawny. Thorax with three stripes cupreous stripes, the middle one very broad; spines of the scutellum tawny. Pectus with two tawny middle stripes, and with a tawny spot on each side. Abdomen black above; its disk green in front, tawny behind. Legs tawny; tips of the femora, of the tibiæ and of the tarsi blackish. Wings gray, brown along the costa; veins distinct, dark brown. Halteres tawny, with green knobs. Length of the body 4 lines; of the wings 7 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

Page 28.

Stratiomys equestris.

Stratiomys equestris, *Loew, Linn. Ent.* i. 462, 1.

Posen.

Stratiomys flaviventris.

Nigro flavoque varia; facies utrinque macula magna flava.

Stratiomys flaviventris, *Loew*, *Linn. Ent.* i. 464, 2.

Sicily.

Stratiomys tigrina.

Odontomyia tigrina, *Loew*, *Linn. Ent.* i. 468, 1.

Stratiomys flavissima.

Stratiomys flavissima, *Panz. Faun. Germ.* xxxv. 24.
Odontomyia flavissima, *Loew*, *Linn. Ent.* i. 469, 2.
Fœm. Stratiomys decora, *Wied.*; *Meig.*
Odontomyia decora, *Macq.*
Stratiomys infuscata? *Meig. Zweifl.* vi. 347, 27.

Hungary. Greece. Asia Minor.

Stratiomys annulata.

Odontomyia annulata, *Loew*, *Linn. Ent.* i. 471, 3.
Stratiomys septemguttata, *Wied.*; *Meig.*

Stratiomys discolor.

Nigra. Mas.—*Abdomen aureo tomentosum, maculis lateralibus ventreque flavis.* Fœm.—*Abdomen flavo marginatum, subtus nigro flavoque varium.*

Odontomyia discolor, *Loew*, *Linn. Ent.* i. 473, 4.

Asia Minor (Patara).

Stratiomys argentata.

Venula transversalis pone stigma nulla.

Stratiomys paludosa, *Schumm*, *Schles. Gesellsch*, 1836, 85; 1840, 15.
Odontomyia argentata, *Loew*, *Linn. Ent.* i. 476, 5.

Stratiomys ornata.

Odontomyia ornata, *Loew*, *Linn. Ent.* i. 476, 6.

Italy. Sicily.

Stratiomys signaticornis.

Nigra; pedes flavi. Mas.—*Abdomen maculis ventreque flav.* Fœm.—*Facies et pleurarum maculæ flavicantes; abdomen apice, maculis lateralibus et ventre virescentibus.*

Odontomyia signaticornis, *Loew*, *Linn. Ent.* i. 477, 7.

Asia Minor (Patara).

Stratiomys Hydroleon.

Odontomyia Hydroleon, *Loew*, *Linn. Ent.* i. 481, 8.
Stratiomys vulpina? *Panz. Faun. Germ.* lviii. 24.

Stratiomys angulata.

Stratiomys angulata, *Panz. Faun. Germ.* lviii. 19.
Stratiomys Hydropota? *Meig; Zett.*
Odontomyia Hydropota? *Macq.*
Stratiomys brevicornis, *Loew.*
Stratiomys ruficornis, *Zett.*
Odontomyia angulata, *Loew*, *Linn. Ent.* i. 483, 9.
Odontomyia latifasciata? *Macq.*

Stratiomys hydrophila.

Nigra; abdomen viride, fascia angulata angusta, postice per dilatata, nigra.

Stratiomys hydrophila, *Loew*, *Linn. Ent.* i. 486, 10.

Sicily. Asia Minor.

Stratiomys felina.

'omen superne nigrum, margine angusto maculisque lateralibus trigonis viridibus.

›mys felina, *Panz. Faun. Germ.* lviii. 22.
›mys Hydropota, Var. *b.* ? *Zett. Dipt. Scand.* i. 139. *Meig.*
omyia felina, *Loew, Linn. Ent.* i. 487, 11.

Stratiomys personata.

ıs. *Nigra; abdomen margine anguste viridi; femora nigropicea, apice flava.*

:omyia personata, *Loew, Linn. Ent.* i. 490, 12.
atia.

Stratiomys viridula.

tomyia viridula, *Loew, Linn. Ent.* i. 491, 13.

Stratiomys interrupta.

ɣra; abdomen viride, macula subapicali nigra in mare *parva, in* fœminæ *maxima.*

tomyia interrupta, *Loew, Linn. Ent.* i. 493, 14.
Minor (Furnas and Patara).

Stratiomys semiviolacea.

ra; abdominis latera crocea; pedes fusci; alæ luridæ, ad costam fuscæ, venis nigris.

tomyia semiviolacea, *Brullé, Exped. Scient. Morée,* 3me *Sér. Zool.* pl. 47, f. 5.

e.

Page 36.

STRATIOMYS MEIGENII.

Male.? Black. Abdomen with a rather large nearly triangular testaceous spot on each side of the second segment; third and fourth segments with a smaller and paler spot on each side; third with a whitish transverse spot on each side; fourth with a short whitish streak on each side of the hind border; fifth with a whitish dorsal stripe, which does not extend to the fore border; second and third and hind borders of the following ventral segments whitish. Wings brown. Halteres green beneath at the tips.

This may be the male of *S. Meigenii*, or of *S. nigrifrons*, or these two may be varieties of one species.

a. La Chine, near Montreal, Canada. Presented by Dr. Barnston.

Page 40.

STRATIOMYS CANADENSIS.

Nigra; abdomen viride, vitta dorsali nigra, basi dilatata, lateribus angulatis, postice rotundata, apicem fere attingente; pedes testacei; alæ limpidæ, ad costam subtestaceæ, venis pallidis; halteres testacei, apice pomacei.

Nearly allied to *S. Peron*. *Male.*—Black. Proboscis and antennæ black. Thorax clothed with pale hairs; scutellum black, armed with two black spines. Abdomen green, with a black dorsal stripe which extends nearly to the hind border; this stripe occupies nearly the whole breadth of the first segment; on the second it decreases in breadth from the fore to the hind border, on the third and on the fourth it has nearly parallel sides, but is broader on the fourth than on the third; on the fifth it is nearly semicircular. Legs testaceous. Wings limpid, with a testaceous tinge along the costa; veins white, testaceous towards the costa. Halteres testaceous, with apple-green knobs. Length of the body 3½ lines; of the wings 7 lines.

a. La Chine, near Montreal, Canada. Presented by Dr. Barnston.

STRATIOMYS LEFEBVREI.

Fem. Abdomen above with a black disk, and with black bands on the fore borders of the segments. Tarsi green towards the base. Hind femora hardly marked with black at the tips.

a. Mexico. From Mr. Glennie's collection.

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STRATIOMYS MUTABILIS.

a. Brazil. From Mr. Harrington's collection.

Page 47.

STRATIOMYS VIRENS.

a, *b*. Santarem, Brazil. From Mr. Bates' collection.

Page 48.

STRATIOMYS LONGIFRONS.

Stratiomys longifrons, *Rondani*, *Esame di varie Specie d'insetti Ditteri Brasiliani*. *Studi Entom.* 1848. *Fasc.* i. 101.

Brazil.

STRATIOMYS PELLUCIDA.

Stratiomys pellucida, *Rondani*, *Ditteri Brasiliani*, 1848.

Brazil.

STRATIOMYS SERICEIVENTRIS.

Stratiomys sericeiventris, *Rondani*, *Ditteri Brasiliani*, 1848.

Brazil.

Page 51.

STRATIOMYS AURIFLUA.

Stratiomys auriflua, *Erichs. Reis. in der Regents Algier, von Wagner*, iii. 103, 56, pl. 9. *Macq. Expl. Scient. Alg.* iii. *Ins.* 428, 39.

Algeria.

STRATIOMYS BARCA.

a. Shanghai, North China. From Mr. Fortnne's collection.

Page 54.

STRATIOMYS IALEMUS.

a. Melbourne, Australia. From Mr. Baly's collection.

Page 56.

STRATIOMYS CARINATA.

Var.? Male and Fem. Black. Head testaceous in front t
beneath. Proboscis black. Antennæ tawny. Thorax ar
black. Scutellum yellow along the hind border and with ye
teeth. Pectus testaceous on each side. Abdomen green, wi
bread dorsal black band, which, in the male, is slightly dila
each end, and is rather narrower than in the female. Legs t
ceous. Wings white; veins white, testaceous towards the
Length of the body 3 lines; of the wings 6 lines.

a, *b*. Melbourne, Australia. From Mr. Baly's collection.

Page 57.

STRATIOMYS CHLORIS.

a. New Zealand. Presented by Col. Bolton.

Page 61.

CLITELLARIA UNICOLOR.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.
b. Santarem, Brazil. From Mr. Bates' collection.
c. Ega, Brazil. From Mr. Bates' collection.

CLITELLARIA SCUTELLARIS.

ridis; caput nigrum; antennæ fulvæ; thorax vitta media ma culisque duabus lateralibus purpureis; scutellum productum maximum, obconicum, bidentatum; abdomen atrum, lateribus cyaneis, segmentorum marginibus posticis viridibus, ventre fulvo; pedes nigri, femoribus apice fulvis; alæ cinereæ.

Metallic-green, clothed with whitish down. Head black· nnæ tawny, nearly fusiform, shorter than the head; arista very . Thorax with a purple dorsal stripe, and with a large purple on each side. Scutellum very hairy, obconical, very large, ex- ng over half the length of the abdomen, armed at the tip with ong stout teeth, and on each side with three small teeth. Ab- en deep black, round, much broader, but hardly longer, than horax, blue on each side; hind borders of the segments green; r side dull tawny. Legs black, stout, pubescent; femora y towards the tips. Wings gray, darkest along the costa as far e stigma, which is blackish; veins black; first branch of the al vein nearly straight, moderately long, ending at a little be- half the length between the radial and the second branch, which very little in front of the tip of the wing; three complete no-medial veins; discal areolet hexagonal. Length of the 2 lines; of the wings 4 lines.

This insect, like most of the exotic species, differs in structure the typical *C. ephippium*, and will probably be soon ranked as ıer genus.

ıntarem, Brazil. From Mr. Bates' collection.

Page 65.

CYCLOGASTER ATRATA.

io Tapayos, Brazil. From Mr. Bates' collection.

Page 77.

DICRANOPHORA FURCIFERA.

ıntarem, Brazil. From Mr. Bates' collection.

Page 80.

NEMOTELUS PROBOSCIDEUS.

Niger; rostrum longissime productum, superius immaculatum; pedes fusco-nigri, genubus metatarsisque bari flavescentibus; abdomen incisuris lateralibus albo flavescentibus.

Nemotelus proboscideus, *Loew*, *Linn. Ent.* i. 423, 1.
Sicily.

NEMOTELUS LASIOPS.

Niger; rostrum crassius, modice productum. Mas.—*Caput immaculatum; oculi longe pilosi.* Fœm.—*Frons punctis albis lateralibus albis; oculi subnudi.*

Nemotelus lasiops, *Loew*, *Linn. Ent.* i. 426, 2.
Sicily.

NEMOTELUS ANCHORA.

Niger; rostrum breve, in utroque sexu immaculatum; oculi nudiusculi. Mas.—*Abdomen album, punctis trifariam positis fasciaque apicali nigris.*

Nemotelus anchora, *Loew*, *Linn. Ent.* i. 429, 3.
Sicily.

NEMOTELUS ULIGINOSUS.

Rostrum modice productum, in utroque sexu albo maculatum.

Nemotelus uliginosus, *Loew*, *Linn. Ent.* i. 432, 4.
Var. Nemotelus bifasciatus, *Meig.; Zett.*

NEMOTELUS PICA.

Rostrum modice productum, in utroque sexu albo maculatum.

Nemotelus Pica, *Loew*, *Linn. Ent.* i. 436, 5.

NEMOTELUS NOTATUS.

notelus notatus, *Loew*, *Linn. Ent.* i. 437, 6.

NEMOTELUS BREVIROSTRIS.

Rostrum brevissimum; frons lineolis albis in oculorum margine subperpendicularibus; abdomen nigrum, superius punctis tribus margineque omni albidis.

notelus uliginosus? *Loew*, *Isis*, 1840, 554, 2.
notelus globuliceps? *Loew*, *Linn. Ent.* i. 441, 7.

NEMOTELUS BRACHYSTOMUS.

Mas. *Niger; rostrum omnium brevissimum vix ullum; macula supra antennas alba; abdomen albo inferius immaculatum, superius basi, macula segmenti 3i fasciisque duabus apicalibus nigris.*

notelus brachystomus, *Loew*, *Linn. Ent.* i. 443, 8.

matia. Greece. Asia Minor.

NEMOTELUS PANTHERINUS.

Rostrum modice productum, acutum, in mare *albo maculatum, in* fœmina *immaculatum.*

notelus pantherinus, *Loew*, *Linn. Ent.* i. 445, 9.

NEMOTELUS FRATERNUS.

Niger; rostrum breve, conicum, obtusiusculum, in mare *albo maculatum, in* fœmina *immaculatum; abdomen* maris *utrinque album, superius basi, fasciisque duabus segmenti* 4 *et* 5 *contiguis, lateribus parum abbreviatis nigris.*

notelus fraternus, *Loew*, *Linn. Ent.* i. 448, 10.

it Germany.

Nemotelus gracilis.

Niger; rostrum breve, acutiusculum, in mare *albo maculatum,* in fœmina *immaculatum; abdomen* maris *utrinque album, tertio maculisque duabus segmenti 4i cum fascia segmenti sequentis abbreviata connexis (interdum confluentibus, interdum convergentibus), nigris.*

Nemotelus gracilis, *Loew, Linn. Ent.* i. 449, 11.
Asia Minor (Makri and Patara).

Nemotelus bipunctatus.

Mas. *Niger; rostrum modice productum, superius maculam punctum album utrinque unum inter scutellum et alae basin.*

Nemotelus bipunctatus, *Loew, Linn. Ent.* i. 451, 12.
Asia Minor (Makri).

Nemotelus nigrifrons.

Mas. *Niger; rostrum breve, immaculatum; abdomen ad utrinque, basi fasciaque apicali nigris.*

Nemotelus nigrifrons, *Loew, Linn. Ent.* i. 452, 13.
Sicily.

Nemotelus argentifer.

Niger; rostrum in utroque sexu albo maculatum.

Nemotelus argentifer, *Loew, Linn. Ent.* i. 453, 14.
Greece, Asia Minor (Syra and Mermeriza).

Nemotelus nigrinus.

Rostrum immaculatum.

Nemotelus nigrinus, *Loew, Linn. Ent.* i. 454, 15.

NEMOTELUS LONGIROSTRIS.

Rostrum longissime productum, superius immaculatum; genua tarsique flava.

notelus longirostris, *Loew*, *Linn. Ent.* i. 455, 16.

NEMOTELUS PUNCTATUS.

notelus punctatus, *Loew*, *Linn. Ent.* i. 456, 17.

NEMOTELUS NIGRITUS.

notelus nigritus, *Loew*, *Linn. Ent.* i. 457, 18.
nce.

NEMOTELUS BREVIROSTRIS.

notelus brevirostris, *Loew*, *Linn. Ent.* i. 457, 19.
ıtria.

NEMOTELUS VENTRALIS.

notelus ventralis, *Loew*, *Linn. Ent.* i. 458, 20.

NEMOTELUS PALUDOSUS.

notelus paludosus, *Loew*, *Linn. Ent.* i. 458, 21.

NEMOTELUS FRONTALIS.

notelus frontalis, *Loew*, *Linn. Ent.* i. 459, 22.
notelus nigrinus, Var.?

NEMOTELUS NILOTICUS.

notelus niloticus, *Loew*, *Linn. Ent.* i. 459, 23.

'œm. *Abdomen fasciis nigris.*
notelus fasciatus, *Macq. Hist Nat. Dipt.* i. 267, 7.

Nemotelus cingulatus.

Nigro-subæneus, aureo brevissime pubescens; abdomen marginibus, cingulisque (1o late interrupto) flavescentibus; pedes genubus tarsisque flavescentibus; alæ venis costalibus flavescentibus.

Nemotelus cingulatus, *L. Duf. Ann. Soc. Ent. Fr. 2me Sér.* x. 5, 1, pl. 1, No. 1, f. 1—5.

Madrid, Spain.

Nemotelus lateralis.

Nigro-æneus, aureo brevissime pubescens; abdominis segmenta latere solum tenuiter penultimum postice vix, flavescentia; pedum genua tarsique flavescentia; alæ venis costalibus flavescentibus.

Nemotelus lateralis, *L. Duf. Ann. Soc. Ent. Fr. 2me Sér.* x. 6, 2, pl. 1, No. 1, f. 6.

Madrid, Spain.

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Sargus linearis.

Fœm. *Rufo-testaceus; caput nigrum, albo biguttatum; thorax disco supra purpureo subtus nigro, lateribus albido univittatis; abdomen viride, valde elongatum, basi purpureum, segmentorum ventralium marginibus posticis testaceis; pedes testacei, tibiæ posticæ fasciis duabus nigricantibus, tarsis posticis nigris; alæ fere limpidæ.*

Fem. Nearly allied to *S. bipunctatus*. Head black, with two white dots in front. Month testaceous. Antennæ black. Thorax reddish testaceous, with a whitish stripe on each side; disk purple above, black beneath. Abdomen dark green, very long, nearly linear, acuminated at the tip, purple towards the base: hind borders of the ventral segments pale testaceous. Legs testaceous; hind tibiæ with two broad blackish bands; hind tarsi black. Wings nearly limpid; stigma blackish; veins black, testaceous at the base. Halteres testaceous. Length of the body 6 lines; of the wings 10 lines.

a. Mexico. From Mr. Glennie's collection.

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SARGUS STAMINEUS.

a. Santarem, Brazil. From Mr. Bates' collection.

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SARGUS MELLEUS.

Sargus melleus, *Rondani*, *Ditteri Brasiliana*, 1848.
Brazil.

SARGUS OPULENTUS.

Mas. *Viridis, cyaneo purpureoque varius; caput antice fuscescens, subtus testaceum; antennæ fuscæ, basi testaceæ; abdomen purpureum, segmento 2o testaceo; pedes albido testacei, femoribus posticis nigricantibus, tibiis posticis apice metatarsisque posticis basi pallide fuscis; alæ fuscæ.*

Male. Head brownish in front, testaceous beneath. Antennæ brown, testaceous towards the base; arista black, slender, extremely long. Thorax bright green, partly blue and purple, brownish testaceous on each side and beneath. Abdomen purple, slightly widening from the base of the second segment to the tip; second segment testaceous, purple above at the tip and on each side. Legs whitish testaceous; hind femora blackish, pale at the base; hind tibiæ at the tips and hind tarsi at the base pale brown; tips of the latter brown. Wings brown, grayish at the tips and on the disks of the posterior areolets; veins black. Halteres testaceous, with apple-green tips. Length of the body 6 lines; of the wings 12 lines.

a. Parà. From Mr. Bates' collection.

SARGUS CONTRACTUS.

Mas. *Aureo-viridis; caput antice fulvum; antennæ fuscæ, basi fulvæ; abdomen cupreum, segmentorum marginibus posticis fulvis; pedes fulvi, femoribus tibiisque posticis nigris; alæ cinereæ.*

Male. Head tawny in front. Proboscis pale testaceous. Antennæ brown, tawny at the base; arista black, slender, short. Thorax

golden green. Abdomen cupreous, much contracted and very slender, except towards the tip, with a tawny band on the hind border of each segment. Legs tawny, black; hind tarsi black towards the tips. Wings dark gray; stigma brown. Halteres testaceous. Length of the body 5 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

SARGUS ELONGATUS.

a. Port Natal. From Mr. Stevens' collection.

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SARGUS TENEBRIFER.

a—c. Shanghai, North China. From Mr. Fortune's collection.

Page 96.

SARGUS METALLINUS.

a. North Bengal. From Miss Campbell's collection.
b. Malabar Coast. Presented by S. Ward, Esq.

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Agapophytus and *Cyclotelus* appear to be two distinct genera of one genus, and the characters assigned to the former in page belong to the latter, which represents in South America the *Agapophyti* of Australia.

Genus AGAPOPHYTUS.

Antennæ 5-articulatæ? capitis longitudine; articulus cylindricus, sat longus; 2us 3us et 5us brevissimi; 4us longissimus. Femora postica sulcata.

Antennæ 5-jointed? as long as the head; first joint cylindrical, moderately long; second very short; flagellum fusiform, compressed, full twice the length of the first joint, composed of three joints, of which the first and third are extremely short. Hind femora channelled. Wings with four complete separate external medial veins; subanal vein united to the anal at some little distance from the border.

1. Agapophytus Australasiæ.

Ater; antennæ articulo 1o flavo; pedes antici flavi femoribus basi nigris, posteriores nigri metatarsis flavis; alæ hyalinæ obscure fasciatæ, venis nigris.

Agapophytus Australasiæ, *Guérin.*

Port Jackson.

2. Agapophytus pyrrhotelus.

Niger; antennæ rufo-luteæ, basi ferrugineæ; tibiæ anticæ luteæ, intermediæ piceæ apice albidæ, posticæ piceæ; tarsi posteriores basi albidi; alæ subcinereæ, nigro bifasciatæ, apice luteæ.

Black. Antennæ reddish luteous, ferruginous towards the base. Fore tibiæ luteous; posterior tibiæ piceous, the middle pair whitish towards the tips; posterior tarsi whitish towards the base. Wings very slightly grayish, with two black bands, one a little before the middle, the other beyond the middle, between it and the tip there is a large luteous spot, which is partly bordered with gray; veins black. Halteres black, with whitish tips. Length of the body 5 lines; of the wings 8 lines.

a. Moreton Bay, Australia. From Mr. Strange's collection.

3. Agapophytus extinctus.

Niger; antennæ basi fulvæ; abdominis latera canescentia; tarsi postici basi albi; alæ sublimpidæ, fascia apicibusque cinereis.

Black. Proboscis pale yellow. Antennæ mutilated, tawny at the base. Abdomen slightly hoary on each side, clothed with pale hairs at the tip. Hind tarsi white towards the base. Wings nearly limpid, gray for more than one-third of the length from the tips; a slight gray band at a little before the middle. Halteres white towards the tips. Length of the body 3¼ lines; of the wings 6 lines.

a. ——— ?

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Phycus canescens.

a. East Indies. From Mr. Stevens' collection.

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Genus ARTHROPEAS.

Proboscis brevis. Palpi proboscide non longiores, biarticulati: articulus 1us 2o longior; 2us 1o non crassior. Antennæ 10-artic latæ; articuli 1us et 2us æquales, cylindrici; 3us et sequentes brev arcte connexi, flagellum fusiforme fingentes. Pedes mediocr longi; tibiæ calcaratæ; metatarsi elongati. Ungues distinc Onychia tria.

Arthropeas, *Loew, Ent. Zeit. Stett.* **1850, xi. 304.**

Antennæ 10-jointed, lanceolate, a little longer than the hea first and second joints equal, transverse; third obovate; fo fifth and sixth transverse; seventh and eighth much longer th broad; ninth a little shorter than the eighth; tenth acumina about twice the length of the ninth. Abdomen elongate-obcon Legs moderately long and slender. Wings rather narrower, sc rately long. Subcostal vein ending at beyond half the leng the wing; mediastinal ending at before two-thirds of the leng radial ending at about three-fourths of the length; first branc the cubital undulating, ending at a little in front of the tip wing; second branch ending at a little behind the tip; fore rate externo-medial veins; subanal vein joining the anal v border of the wing; discal areolet pentagonal, its fore side sh hind side curved and nearly parallel.

1. Arthropeas sibirica.

Ochraceo-flava; thorax nigro trivittatus; abdomen cuprei rufum fasciis nigris; alæ ochraceo-flavæ, nigro guttata.

Arthropeas sibirica, *Loew, Ent. Zeit. Stett.* **1850, xi. 305, f. 43—46.**

Siberia.

Page 121.

Pangonia basalis.

Var. Fem. **Head tawny in front. Antennæ wholly ta Wings wholly grayish brown, a little darker along the costa.**

a. **Tapayos, Brazil. From Mr. Bates' collection.**

In this specimen the hind branch of the cubital vein is simple ı one wing, but rejects a short branch in the other.

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PANGONIA SORBENS.

Fem. Var. Piceous. Head in front, antennæ and abdomen erruginous. Head beneath and pectus clothed with white hairs. ıbdomen with a piceous spot at the base. Legs tawny. Wings ;rayish brown, darker along the costa and on the fork of the cubital 'ein, and on the transverse veinlets.

In this species the hind branch of the cubital vein does not, as n *P. basalis*, join the first externo-medial vein on the border, but at ı short distance from it, and thereby forms a petiolated areolet.

ı. Santarem, Brazil. From Mr. Bates' collection.

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PANGONIA SUTURALIS.

Pangonia suturalis, *Rondani*, *Ditteri Brasiliani*, 1848.

Brazil.

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NOTE.—*Pangonia furcata, &c.* is inadvertently inserted *below* instead of *above* S. Africa.

PANGONIA FUMIFERA.

Fœm. *Picea; caput et pectus albo hirta, illum antice ferrugineum; antennæ fulvæ; proboscis corporis dimidio longior; abdomen ferrugineum, fasciculis dorsalibus et apicalibus albis; pedes ferruginei, tarsis piceis; alæ cinereæ, ad costam fuscæ, apud venas transversas obscuriores.*

Fem. Piceous. Head ferruginous in front, clothed beneath with white hairs. Proboscis black, much more than half the length of the body. Antennæ tawny, darker towards the tips. Pectus and sides of the thorax clothed with white hairs. Wings gray, brown towards the costa; transverse veinlets and angle of the cubital vein

clouded with darker brown; fore branch of the cubital vein forming a slightly obtuse angle, which has no rudiment of a vein; hind branch joining the first externo-medial at a short distance from the border of the wing. Abdomen pale ferruginous, semipellucid, darker above than beneath, with a patch of white hairs on the hind border of each segment, and one on each side at the tip. Legs tawny; tarsi piceous, tawny at the base. Length of the body 5 lines; of the wings 10 lines.

This species much resembles *P. sorbens*, but the latter has a longer proboscis, and its abdomen is without the dorsal patches of white hairs.

a. Santarem, Brazil. From Mr. Bates' collection.

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PANGONIA AMBOINENSIS.

Fem. Black. Head beneath, pectus and sides of the thorax clothed with gilded hairs. Proboscis much longer than the body. Thorax covered above with short black hairs. Abdomen piceous black; first, second and third segments tawny, with a black dorsal stripe; under side mostly ferruginous. Legs tawny. Wings brown; first fore fork of the cubital vein rejecting a short branch; hind fork approaching near to the tip of the first externo-medial vein.

a. Sikkim Himalaya, North India. From Dr. Hooker's collection.

PANGONIA TAPROBANES.

Fœm. *Nigro-picea; proboscis corpore multo brevior; antennæ ferrugineæ aut luteæ; thorax testaceo quadrivittatus; abdomen fulvum, vitta dorsali apiceque piceis; pedes fulvi; alæ fuscæ, areolarum marginalium discis cinereis, venis ferrugineis.*

Fem. Piceous black. Head clothed with testaceous hairs beneath, black and shining in front, clothed elsewhere with testaceous tomentum, with the exception of the frontal callus, which is black and nearly fusiform. Proboscis much shorter than the body. Antennæ ferruginous. Thorax with four testaceous stripes. Pectus clothed with testaceous hairs. Abdomen tawny, with a piceous dorsal stripe, which is dilated towards the tip, and there occupies the

vhole breadth. Legs tawny. Wings brown; disks of the mar-
l areolets gray; veins ferruginous; fore fork of the cubital vein
ting a moderately long branch; hind fork approaching on the
er of the wing very near to the first externo-medial vein.
gth of the body 7 lines; of the wings 14 lines.

Var. β. Antennæ luteous. Dorsal stripe of the abdomen inter-
ed on the hind borders of the segments. Branch of the cubital
much longer than in Var. α.

Ceylon. Presented by R. Templeton, Esq.

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PANGONIA SOLIDA.

Van Dieman's Land. Presented by Morton Allport, Esq.

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PANGONIA INCONSPICUA.

io Tapayos, Brazil. From Mr. Bates' collection.

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DICHELACERA T-NIGRUM.

ar.? Fœm. *Aurata, palpi fulvi; antennæ fulvæ, basi luteæ, apice nigræ; thorax fascia scutelloque fuscis; abdomen luteum, apice fuscum; pedes lutei, tibiis tarsisque anticis nigris; alæ limpidæ, apud costam flavescentes, vitta brevi postica fasciaque furcata fuscis.*

Var.? Fem. Gilded yellow. Head in front with a large tri-
lar shining piceous callus. Eyes bronzed. Proboscis black,
r long. Palpi tawny. Antennæ black; first and second joints
us; third tawny towards the base, with a long slender tawny
. Thorax with a brown band by the base of the wings. Scu-
m brown. Abdomen luteous, brown towards the tip. Legs
us; fore tibiæ and fore tarsi black. Wings nearly limpid, with
low tinge in front and towards the base, brown along the costa,
an elongated brown spot between the subanal vein and the
, and with a forked brown band at two-thirds of the length;

fore branch of the cubital vein simple, forming an obtuse a rounded angle. Halteres tawny, with pale yellow knobs. Leg of the body 4½ lines; of the wings 8 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

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For Corpus nigrum, *read* Corpus nigrum, maculis aut v pallidis.

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TABANUS CONFLIGENS.

Tabanus teneus (Nomen bis lectum), No. 247.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

Page 214.

TABANUS UNICOLOR.

a. Santarem, Brazil. From Mr. Bates' collection.

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TABANUS TRILINEATUS.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

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TABANUS PUNCTUM.

Tabanus punctum, *Rondani*, *Ditteri Brasiliani*, 1848. Brazil.

TABANUS PICEIVENTRIS.

Tabanus piceiventris, *Rondani*, *Ditteri Brasiliani*, 1848. Brazil.

Tabanus innotescens.

Fœm. *Rufus; caput albo tomentosum et pilosum; palpi albido testacei; antennæ ferrugineæ, basi testaceæ, apice nigræ, articulo 3o vix cornuto; pectus apud discum cinereum; abdomen basi testaceum; pedes fulvi, tarsis nigris; alæ subcinereo hyalinæ, basi et apud costam luridæ.*

Fem. Red. Head with white hairs and tomentum, testaceous between the eyes, with the exception of a long slender shining ferruginous callus. Eyes bronzed, with very small facets. Proboscis black. Palpi whitish testaceous. Antennæ ferruginous, very small, testaceous at the base, black towards the tips; third joint with a very small slightly obtuse tooth. Thorax thinly covered with white tomentum. Disk of the pectus gray. Abdomen testaceous towards the base. Legs tawny; tarsi black, except at the base. Wings slightly grayish hyaline, lurid at the base and along the costa as far as the stigma, which is brown; veins black; fore branch of the cubital vein simple, forming an obtuse and somewhat founded angle. Length of the body 8 lines; of the wings 15 lines.

a. Tapayos, Brazil. From Mr. Bates' collection.

Tabanus chrysoleucus.

Mas. *Luteus; caput et pectus albo tomentosa et pilosa; palpi albi; antennæ fulvæ, apice nigræ, articulo 3o cornuto, abdomen fuscum, apice nigrum, subtus testaceum, maculis dorsalibus fasciisque ventralibus albis; pedes nigri, tibiis albis; alæ limpidæ, basi vitta postica fasciaque nigricantibus.*

Male. Head and pectus with white hairs and tomentum. Eyes red, composed of large facets; fore part bronzed, with very small facets. Proboscis black. Palpi white. Antennæ tawny, with black tips; third joint with a rather long acute tooth. Thorax thickly clothed with bright luteous hairs. Abdomen brown, black towards the tip, testaceous beneath; hind borders of the segments whitish beneath, and with whitish triangular spots above. Legs black; anterior tibiæ white, with black tips; hind tibiæ dingy whitish towards the base. Wings limpid, blackish at the base, with a blackish stripe which extends between the subanal vein and the anal towards the border, and with a blackish band extending from the stigma nearly to the hind border; veins black; fore branch

of the cubital vein simple, forming an obtuse and somewhat rounded angle. Halteres black, white towards the base. Length of the body 4 lines; of the wings 8 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

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TABANUS LATIPES.

Var.? Fem. Bright testaceous. Head and thorax covered with testaceous tomentum and down. Head with testaceous hair beneath; callus black, shining, short and transverse. Eyes with very small facets. Proboscis black. Antennæ black, short and slender; third joint with a very small obtuse tooth. Thorax with two patches of white down on each side, one at the base of the wing, the other behind. Abdomen more tawny above than thorax; under side paler testaceous, with a black stripe along each side, and a large yellow spot on each side at the base; a white spot on the hind border of each segment. Legs black; fore tibiæ slightly dilated. Wings blackish brown, grayish along the hind border, limpid, with the exception of the costa, for more than one-third of its length from the tips; a limpid dot near the base, and a large quadrate limpid spot in the disk before the middle; fore branch of the cubital vein simple, not angular.

a. Port Natal. From Mr. Plant's collection.

T. fenestratus, p. 264, may be a variety of this species.

Page 238.

TABANUS ORIENTIS.

a. Sikkim Himalaya, North India. From Dr. Hooker's collection.

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TABANUS EXPLICATUS.

Fœm. *Niger; caput testaceo tomentosum; antennæ parvæ, culis supra dentatis; pectus cinereum; segmentorum abdominalium margines postici supra fulvi, subtus testacei; pedes albæ, apice nigræ; alæ cinereæ, basi et apud costam luteæ.*

Fem. Black. Head with a long slender black shining callus between the eyes, covered elsewhere with testaceous tomentum.

few yellow hairs beneath. Eyes with very minute facets. Lancets tawny. Antennæ small; first and second joints toothed above; third with a small acute tooth, which is slightly curved forward. Pectus gray, thinly clothed with yellow hairs. Hind borders of the abdominal segments tawny, testaceous beneath. Tibiæ white, black towards the tips. Wings gray, lurid at the base and along the costa; veins tawny, black towards the tips; fore branch of the cubital vein simple; externo-medial areolets open; subanal vein united to the anal at some little distance from the border; alulæ lurid. Halteres testaceous. Length of the body 8 lines; of the wings 15 lines.

a, *b*. Sikkim Himalaya, North India. From Dr. Hooker's collection.

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TABANUS EXPULSUS.

Fœm. *Cinereus; caput et pectus albido; palpi ferruginei; antennæ fulvæ, apice nigræ; thorax fusco bivittatus; abdomen nigrum, segmentorum marginibus posticis luteis, ventris lateribus fulvis, pedes fulvi, tarsis nigris, tibiis posticis nigro ciliatis; alæ cinereæ, apud costam fuscæ, venulis transversis nigro-fusco guttatis.*

Fem. Head with whitish tomentum behind and beneath, clothed beneath with whitish hairs; vertex brown; front tawny; callus elongate, capitate, black, shining. Eyes æneous, with very minute facets. Proboscis black. Palpi ferruginous. Antennæ tawny, curved upward; first joint produced above in front, and forming an acute angle; second very minute; third black above, moderately dilated, forming a slightly obtuse angle; fourth and following joints black. Thorax cinereous, with two indistinct pale brown stripes, which are not apparent in some aspects. Pectus with whitish tomentum, and in front with whitish hairs. Abdomen black; hind borders of the segments luteous; under side with two broad lateral tawny stripes. Legs tawny; coxæ black, with whitish tomentum; femora with whitish down, gray at the base; tarsi black, the posterior tawny at the base; fore tibiæ piceous towards the tips; hind tibiæ thickly fringed with very short black hairs. Wings gray, brown along the costa for about one-third of the breadth; transverse veinlets; tip of the radial vein, fork of the cubital vein and tip of its fore branch clouded with blackish brown; veins black; fore branch of the cubital vein forming an obtuse and

somewhat rounded angle, which emits no branch. Halteres tawny. Length of the body 6 lines; of the wings 12 lines.

a, *b*. Aneiteum, New Hebrides. From the Voyage of H.M. Herald. Collected by J. Macgillivray, Esq.

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CHRYSOPS VULNERATUS.

Chrysops vulneratus, *Rondani*, *Ditteri Brasiliani*, 1848. Brazil.